

14306 18797

ID: 88071802

S
592.13
.D38
1993

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
COLORADO STATE OFFICE
2850 YOUNGFIELD STREET
LAKEWOOD, COLORADO 80215-7076

In Reply Refer To:
CO-932
7100

Memorandum

To: Glen Secrist, Resource Assessment Team, L Street, Room 204
Renee Duval, Geographic Sciences Team, L Street, Room 401

From: Acting Deputy State Director, Resource Services

Subject: Status Report on Development of Interagency Minimum Soil Data
Sets and Transfer Standards

The following five-page report is a synopsis of BLM efforts in the development of an interagency minimum soil data set and transfer standard. Since the completion of the BLM Soil Data Set in January 1993, the BLM has continued as a participant in the development of this interagency effort set forth by the Federal Geographic Data Committee in 1992. Please share this report with each state soils lead and data administrator.

Correspondence should be directed to Scott Davis, Soil Data Set Leader, at 303-239-3721 (CSO-932).

Dave Sturice

Attachment

BLM Library
Denver Federal Center
Bldg 50, OC-521
P.O. Box 25047
Denver CO 80225

SOIL MINIMUM DATA SETS, AND TRANSFER STANDARDS

The Bureau of Land Management (BLM) produced its report, Soil Resource Data Set, in January 1993. The effort was a result of numerous BLM meetings between 1986 and 1988, resuming again in 1991. The product was then shared with the Soil Conservation Service, now referred to as the Natural Resource Conservation Service (NRCS). Changes in soil taxonomy and in the National Soils Handbook were released in the autumn of 1994. Thus, some of the definitions, codes, and reference documents tied to the 259 BLM data elements need updating.

The data base file was brought into conformation to the structure used by the data element naming group at the soil data set meeting in June 1992, at BLM headquarters. This guidance was formalized in Washington Office Instruction Memorandum No. 93-80. In July, 1992, the Spatial Data Transfer Standard was approved. Federal agencies were to have it implemented one year later. The Federal Geographic Data Committee is the lead with one charge being for a common transfer standard to be developed for each data layer. The BLM soil data set was incorporated into the NRCS (lead agency in soils information) document known as the National Soils Information System (NASIS), first released in October 1994.

Initial BLM efforts focused on soil standards. Later, an interagency, national soil-ecology data base meeting was held in Lakewood, Colorado, November 16-19, 1992, which was attended by the U.S. Forest Service (USFS), NRCS, and BLM. The broad objective was to link soil and vegetation information to develop ecological data elements. To develop a minimum data set, four subgroups were listed: (1) taxa information; (2) environment-landscape features; (3) soil pedon; and (4) lab and field measurements.

During the development of the data set standards, minimum and transfer, BLM Colorado, and the NRCS Colorado developed a Memorandum of Agreement to exchange automated spatial soils data so that a statewide soil related Geographical Information System (GIS) data base could be established. The benefit was to eliminate duplication of data entry and to better manage natural resource data on all lands. In March 1993, BLM Colorado responded to draft proposals of the NRCS's National Cooperative Soil Survey "Procedures for Digitizing of Soil Survey Geographic Data Base (SSURGO), by saying that BLM could meet the standards to ensure quality products, such as producing Digital Line Graph (DLG-3) format soils data.

After the workshop on ecological soil data sets, the NRCS was designated as the lead agency to develop a minimum data to be used when transferring soils data between various agencies and users. The interagency team met in Golden, Colorado, April 26-28, 1994, and would be the Soils Subcommittee of the FGDC. The task was to incorporate the information gathered at the workshops in 1992. Data was divided into: (1) map unit or aggregated and (2) pedon or site-point. It was later decided that geomorphology-landform and vegetative data sets would not be dealt with by the soils subcommittee until these separate subcommittees worked on establishment of a minimum data set to be integrated with the work of the soils subcommittee. It was also decided that NASIS, including the data dictionary, would be the starting point for the interagency/user's soils information data base. A draft minimum soil data set was submitted with selected agencies to serve on the subcommittee. The final common data structure for the transfer of soil data was delivered to the FGDC in October, 1994. It included an established process to create changes from

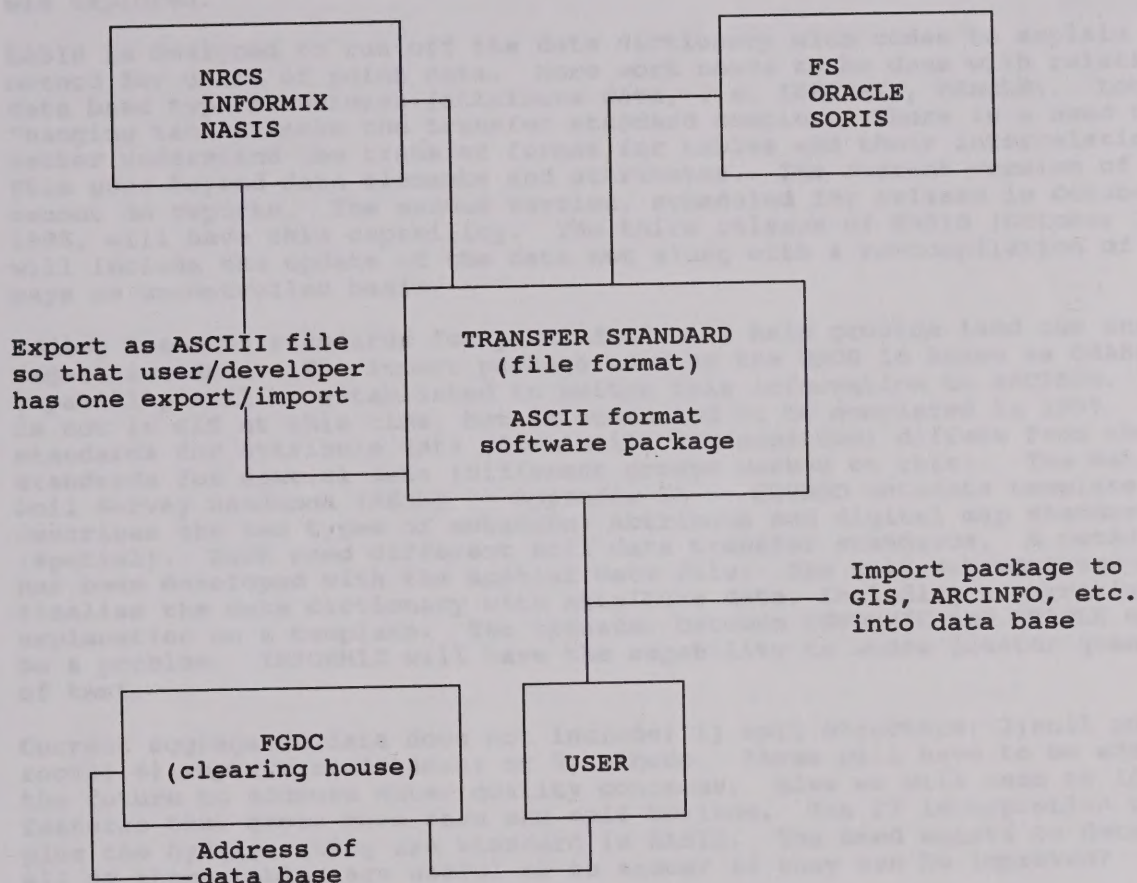
the input of all other agencies and users. The charge of the soils subcommittee is to enhance and maintain soil data transfer standards. The soils subcommittee would include one member each from the Agriculture Research Service, BLM, Environmental Protection Agency, USFS, Department of Defense, plus two members each from the Agricultural Experiment Stations and the NRCS. Terms of membership are three years. Each agency would have equal voting power when considering changes and/or additions to the data dictionary. Each core team member will receive, review, and organize proposals originating from their respective entity. Proposals will be presented to the team and leader for approval. A mechanism will be established to solicit input from entities not represented by the core team. The issue of how to deal with spatial data at assorted map scales will be decided by the FGDC.

In June, 1994, the combined midwest and west regional National Cooperative Soil Survey (NCSS) meeting was held in Couer d'Alene, Idaho. One committee dealt with soil data transfer involving access and downloading of soil data electronically. Recommendations were to develop agreement on common standards to facilitate sharing of both soil survey map and attribute information with the NRCS to store the information. It was noted, that the FGDC would develop policies and procedures, the soil subcommittee would develop user needs, including stating the limitations and reliability of the data, potential uses of the data, and the manner in which the data was collected. Ultimately the goal is to link data sets and bases to GIS with assorted scales.

During the autumn/winter 1994-1995, the draft of the proposed definitions and formats for the Federal Soil Data Transfer Standard were reviewed by the FGDC and the NCSS Standards Committee. Both approved the draft in early 1995, with a few suggestions for improvement. Additional terms relating to geomorphology and vegetation need to be meshed with the soil data. A metadata file template to go with the digital soil data needed to be included. The soil subcommittee can define their own transfer standard since a specified physical transfer or structure was not mandated for soils. Currently, only plant crop and yields have been defined with no definitions relating to land use or cover data for the vegetation subcommittee.

The overall purpose of establishing a transfer standard is to facilitate the transfer and use of soils related data so that users can receive data in a common format. This will enable more data to be available to all users. The standard applies to the tabular data associated with digital soil survey maps developed by the NCSS at scales of 1:12,000 to 1:30,000. It contains soil map unit data, known as "aggregated data." Presently, standards have not been developed for "site or point data" which includes lab and pedon data.

The core team met in Lincoln, Nebraska, April 18-20, 1995, to establish and maintain standards for the transfer of soil data. An entity relationship model is shown (See the flow chart on the following page):



Metadata a file to explain and/or organize data; i.e., data dictionary, age, how collected, who developed, etc.

All members were updated on progress that had been made on the standards for data to accompany digital soil maps (map unit attribute data; includes standard terminology, definitions and format, plus a metadata file). Development for a standard for transferring point data (both lab and pedon) was explored.

NASIS is designed to run off the data dictionary with codes to explain the method for users of point data. More work needs to be done with relational data base type structures (attribute data, i.e. INFORMIX, ORACLE). Lots of "hanging tables" make the transfer standard complex. There is a need to better understand the transfer format for tables and their interrelationships. This goes beyond data elements and attributes. The current version of NASIS cannot do reports. The second version, scheduled for release in October, 1995, will have this capability. The third release of NASIS (October 1996) will include the update of the data set along with a re-compilation of soil maps on uncontrolled basis.

Adding transfer standards for point data will help provide land use and vegetative data. The import package used by the NRCS is known as GRASS; capability will be established to switch this information to ARCINFO. NASIS is not in GIS at this time, but is scheduled to be completed in 1997. The standards for attribute data (from soils subcommittee) differs from the standards for spatial data (different groups worked on this). The National Soil Survey Handbook (NSSH) -- Appendix 5A -- SSURGO metadata template describes the two types of metadata; attribute and digital map standards (spatial). Each need different soil data transfer standards. A metadata file has been developed with the spatial data file. The soil subcommittee needs to finalize the data dictionary with attribute data, including a narrative explanation on a template. The transfer between INFORMIX and ORACLE will not be a problem. INFORMIX will have the capability to store greater quantities of text.

Current aggregated data does not include: 1) soil structure; 2) soil pores; 3) roots; 4) rupture resistance; or 5) albedo. These will have to be added in the future to address water quality concerns. Also we will need to link features that cross more than one soil horizon. The 27 interpretive tables plus the hydric rating are standard in NASIS. The need exists to determine if all of these tables are useful or to answer if they can be improved?

Another criteria was discussed to prioritize elements essential in establishing a minimum data set. It was suggested that such elements should respond to the issue of soil quality and health along with testing data elements as part of the transfer standard. These would include:

1. A property tied to a map unit or component; i.e. taxonomy;
2. A factor in land use management decisions; i.e. models, interpretations;
3. A property important to soil/ecology functions or a selected soil property considered in an integrated manner; and
4. A factor in an environmental risk assessment; i.e. sulfur, acid deposition, etc.

Also, the use of soil information, in terms of demands and requests from people, should determine if a data element should be a standard.

A reference will be needed in determining methods for collecting point or pedon-lab data. What are the minimum number of things to do or collect? Should lab and pedon data be lumped? How does one handle replication of samples, methods of identification, duplicate re-sampling at same point over time (accuracy), etc.? The NCSS standards group needs to address the minimum documentation standards when doing profile descriptions as well as collecting lab data, ie. bulk density. One should consider any differences between soil data sets for soil specialists and users of soils information. Do we want to

identify a minimum data set for point data. How do we identify location -- latitude-longitude, date, identifier, etc.? This may involve more people than NCSS people who do aggregated data. Consider transfer standards for point data to be used in generating map unit and components for determining ranges of data. Is this information useful? If one is in the field, should minimum standards dictate what one should collect in an effort to avoid redundancy, or multiple trips to the field to gather necessary information?

Minimum data set requirements should include a standardized format for:

1. Location;
2. Date;
3. Layer/sequence, depths;
4. Land use - Cover, currently under modification;
5. Unique Pedon/Location identifier by user or agency; and
6. Method, i.e. lab, etc.

In Summary, future agenda will include:

1. NRCS adding map unit information;
2. Routing of point data additions from BLM/FS;
3. Adoption of SSURGO file as metadata for map unit or aggregated data;
4. Map unit (aggregated data) transfer standards to be finalized by FGDC by the end of May, 1995;
5. Minimum data set - structure for transfer for landforms/geomorphology and vegetation to be linked with minimum soil data set;
6. Lab data needs to be added to the minimum soil data set;
7. A standard will be proposed for point or pedon data later in 1995; and
8. An additional member from the agricultural experiment station (university) needs to be added to the soil subcommittee.

Any questions may be addressed to: Scott Davis, Soil Scientist, Colorado State Office, Bureau of Land Management, 2850 Youngfield Street, Lakewood, Colorado 80215. His telephone number is 303/239-3721; FAX: 303/-239-3808.

SDavis:df:05/12/95:F:\NASIS-CO

BLM Library
Denver Federal Center
Rm 30, OC-821
P.O. Box 25047
Denver CO 80225

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
COLORADO STATE OFFICE
2850 YOUNGFIELD STREET
LAKEWOOD, COLORADO 80215-7076

In Reply Refer To:
1283 (CO-954)
7100

FEB 11 1993

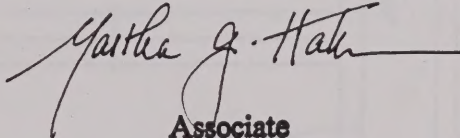
Memorandum

To: Director (200), Room 204, LS
Attention: Assistant Director Data Administrator

From: State Director, Colorado

Subject: Soil Resource Data Set Team Report

Attached is the final report for the Soil Resource Data Set. If you have any questions, please contact Adrian Caufield, State Data Administrator, on 303-239-3941.


Associate

Attachment

cc: WO (873) - Room 401 LS

**BLM Library
Denver Federal Center
Bldg 50, OC-521
P.O. Box 25047
Denver CO 80225**

#1430618797

ID: 88071802

S
592.13
.D38
1993

FINAL REPORT

SOIL RESOURCE DATA SET

BUREAU OF LAND MANAGEMENT

Scott Davis
Data Set Team Leader
Denver, CO

January, 1993



1993
1994
1995

SOIL RESOURCE DATA SET

REGION OF SOIL MANAGEMENT
DATA SET
1993



SOIL RESOURCE DATA SET

Team Membership List

<u>Name</u>	<u>Office</u>
Scott Davis (Leader) Soil Scientist	CO-933 (Branch of Biological Resources)
Russ Krapf Soil Scientist	Phoenix DO, AZ
Darwin Jeppesen Soil Scientist	Idaho Falls DO, ID
Ralph Klein Soil Scientist	North Umpqua RA, Roseburg DO, OR
Bill Volk Soil Scientist	MT-931 (Biological Resources)
Colin Voigt Soil Program Leader	WO-222 (Soil, Water & Air)
Alan Amen Soil Scientist	SC-212A (Soil, Water & Air Section) (Physical Resources)
George Staidl Soil Scientist	Soil Conservation Service Member, National Soil-Range Team, Reno, NV
State Data Administrator: Adrian Caufield	CO-954 (Information Resources Management)
Responsible Assistant Director Data Administrator: Kurt Ballantyne	WO-200

SOIL RESOURCE DATA SET

Consultation and Coordination

The original data set was developed by the team members and coordinated with the Soil Conservation Service. The data elements identified will be used as a base line in the ongoing work with other agencies (e.g., Forest Service) in establishing data standards.

Future Issues

Certain data elements, such as those related to soil taxonomy, must have their codes updated before they are formally implemented. These data elements are dynamic and are continually updated as new soil taxonomy orders are identified (similar to threatened and endangered species status). Notes have been added in the code area of the data element work sheet referencing source documents needed for updating code lists.

Future data element will need to be defined for models and equations, such as the Revised Universal Soil Loss Equation (RUSLE) as needs are identified.

Data Element Names

Pages 4 through 10 list the 259 data elements contained in the report. The data base file has been modified to conform to the structure used by the data element naming work group. Proposed data element names (entity, modifiers, and class word) have been added to the data base file following guidance in WO Instruction Memorandum No. 93-80.

SOIL RESOURCE DATA SET

Bibliography

Sources of Information:

AG. HDBK #60	Agricultural Handbook No. 60
AG. HDBK #296	Agricultural Handbook No. 296
AG. HDBK #436	Agricultural Handbook No. 436
BLM DICTIONARY	BLM Data Element Dictionary
BLM MANUALS	BLM Manual (various)
H4410-1	BLM Manual Handbook H-4410-1: National Range Handbook
MUNSELL COLOR CHART	Munsell Soil Color Chart
NCSS	National Cooperative Soil Survey
NSH	National Soils Handbook
SSM	Soil Survey Manual
TAX AH 436	Soil Taxonomy Handbook
SCS-232 HDBK	Soil Conservation Service 232 Handbook
SCS MANUAL	Soil Conservation Service Manual

Forms Identified:

SCS-232
SCS-SOI-5
SCS-SOI-6
SCS-SOI-37A
SITEFORM

SOIL RESOURCE DATA SET -- DATA ELEMENTS

CURRENT		PROPOSED NAME				CLASSWORD
Record No.	Data Element Name	SUBJECT WORD	MODIFIER	MODIFIER	MODIFIER	
1	ECOLOGICAL SITE IDENTIFICATION NUMBER	ECOLOGICAL SITE	IDENTIFICATION			NUMBER
2	ECOLOGICAL SITE NAME	ECOLOGICAL SITE				NAME
3	ELEVATION	LAND AREA	ELEVATION	ACTUAL		MEASUREMENT
4	ELEVATION RANGE HIGH	LAND AREA	ELEVATION	HIGH		MEASUREMENT
5	ELEVATION RANGE LOW	LAND AREA	ELEVATION	LOW		MEASUREMENT
6	FLOODING HAZARD DURATION CLASS	LAND AREA	FLOODING	HAZARD	DURATION	CODE
7	FLOODING HAZARD FREQUENCY CLASS	LAND AREA	FLOODING	HAZARD	FREQUENCY	CODE
8	FLOODING HAZARD MONTHS	LAND AREA	FLOODING	HAZARD	MONTHS	CODE
9	FROST FREE DAYS	CLIMATE	AIR	TEMPERATURE	FROST FREE DAYS	QUANTITY
10	GEOLOGIC FORMATIONS	LAND AREA	GEOLOGIC	FORMATION		NAME
11	LAND FORM	LAND AREA	SURFACE	FORM		CODE
12	LAND RESOURCE REGION	LAND AREA	RESOURCE	REGION		CODE
13	MAJOR LAND RESOURCE AREA	LAND AREA	RESOURCE	AREA	MAJOR	CODE
14	MAP SCALE	DOCUMENT	MAP	SCALE		MEASUREMENT
15	PRECIPITATION AVERAGE ANNUAL	CLIMATE	PRECIPITATION	ANNUAL	AVERAGE	QUANTITY
16	PRECIPITATION AVERAGE ANNUAL SOIL EFF	CLIMATE	PRECIPITATION	ANNUAL AVERAGE	SOIL EFFECTIVE	QUANTITY
17	PRIME FARMLAND	LAND AREA	FARMLAND	PRIME		CODE
18	SLOPE ASPECT	LAND AREA	SLOPE	ASPECT		CODE
19	SLOPE CLASS	LAND AREA	SLOPE	CLASS		CODE
20	SLOPE LENGTH	LAND AREA	SLOPE	LENGTH		MEASUREMENT
21	SLOPE PERCENT	LAND AREA	SLOPE			PERCENT
22	SLOPE SHAPE	LAND AREA	SLOPE	SHAPE		CODE
23	SOIL ANION EXTRACTABLE CL	SAMPLE	SOIL ANION	EXTRACTABLE	CHLORINE	MEASUREMENT
24	SOIL ANION EXTRACTABLE CO3	SAMPLE	SOIL ANION	EXTRACTABLE	CARBONATE	MEASUREMENT
25	SOIL ANION EXTRACTABLE HCO3	SAMPLE	SOIL ANION	EXTRACTABLE	BICARBONATE	MEASUREMENT
26	SOIL ANION EXTRACTABLE OTHER AMOUNT	SAMPLE	SOIL ANION	EXTRACTABLE	OTHER	MEASUREMENT
27	SOIL ANION EXTRACTABLE OTHER TYPE	SAMPLE	SOIL ANION	EXTRACTABLE	OTHER	CODE
28	SOIL ANION EXTRACTABLE SO4	SAMPLE	SOIL ANION	EXTRACTABLE	SULFATE	MEASUREMENT
29	SOIL AVAILABLE WATER CAPACITY HIGH	SAMPLE	SOIL	AVAIL WATER CAP	HIGH	MEASUREMENT
30	SOIL AVAILABLE WATER CAPACITY LOW	SAMPLE	SOIL	AVAIL WATER CAP	LOW	MEASUREMENT
31	SOIL AVAILABLE WATER CAPACITY PROF CLASS	SOIL	AVAIL WATER CAP	PROFILE		CODE
32	SOIL AVAILABLE WATER CAPACITY PROFILE	SOIL	AVAIL WATER CAP	PROFILE		MEASUREMENT
33	SOIL AVAILABLE WATER CAPACITY SPECIFIC	SAMPLE	SOIL	AVAIL WATER CAP	SPECIFIC	MEASUREMENT
34	SOIL BASE SATURATION PERCENT	SOIL	BASE	SATURATION		PERCENT
35	SOIL BULK DENSITY HIGH	SAMPLE	SOIL	BULK DENSITY	HIGH	MEASUREMENT
36	SOIL BULK DENSITY LOW	SAMPLE	SOIL	BULK DENSITY	LOW	MEASUREMENT
37	SOIL BULK DENSITY SPECIFIC	SAMPLE	SOIL	BULK DENSITY	SPECIFIC	MEASUREMENT

SOIL RESOURCE DATA SET -- DATA ELEMENTS

CURRENT		PROPOSED NAME				
Record No.	Data Element Name	SUBJECT WORD	MODIFIER	MODIFIER	MODIFIER	CLASSWORD
38	SOIL CARB SOFT MASS & CONCRET ABUNDANCE	SOIL	CARBONATES	SOFT MASS & CNC	AMOUNT	CODE
39	SOIL CARB SOFT MASS & CONCRET SHAPE	SOIL	CARBONATES	SOFT MASS & CNC	SHAPE	CODE
40	SOIL CARB SOFT MASS & CONCRET SIZE	SOIL	CARBONATES	SOFT MASS & CNC	SIZE	CODE
41	SOIL CATION EXCHANGE CAPACITY	SOIL	CATION	EXCHANGE	CAPACITY	MEASUREMENT
42	SOIL CATION EXTRACTABLE CA	SAMPLE	SOIL CATION	EXTRACTABLE	CALCIUM	MEASUREMENT
43	SOIL CATION EXTRACTABLE K	SAMPLE	SOIL CATION	EXTRACTABLE	POTASSIUM	MEASUREMENT
44	SOIL CATION EXTRACTABLE MG	SAMPLE	SOIL CATION	EXTRACTABLE	MAGNESIUM	MEASUREMENT
45	SOIL CATION EXTRACTABLE NA	SAMPLE	SOIL CATION	EXTRACTABLE	SODIUM	MEASUREMENT
46	SOIL CATION EXTRACTABLE OTHER AMOUNT	SAMPLE	SOIL CATION	EXTRACTABLE	OTHER	MEASUREMENT
47	SOIL CATION EXTRACTABLE OTHER TYPE	SAMPLE	SOIL CATION	EXTRACTABLE	OTHER	CODE
48	SOIL CEMENTATION	SOIL	CEMENTATION			CODE
49	SOIL CLASSIFICATION AASHTO GROUP	SOIL	CLASSIFICATION	AASHTO	GROUP	CODE
50	SOIL CLASSIFICATION AASHTO GROUP INDEX	SOIL	CLASSIFICATION	AASHTO	GROUP	NUMBER
51	SOIL CLASSIFICATION FAMILY MINERALOGY	SOIL	CLASSIFICATION	FAMILY	MINERALOGY	CODE
52	SOIL CLASSIFICATION FAMILY ORG DEPTH	SOIL	CLASSIFICATION	FAMILY	ORGANIC DEPTH	CODE
53	SOIL CLASSIFICATION FAMILY ORG MINERAL	SOIL	CLASSIFICATION	FAMILY	ORGANIC MINERAL	CODE
54	SOIL CLASSIFICATION FAMILY ORG PARTCL SZ	SOIL	CLASSIFICATION	FAMILY	ORGANIC PART SZ	CODE
55	SOIL CLASSIFICATION FAMILY ORG REACTION	SOIL	CLASSIFICATION	FAMILY	ORGANIC REACTN	CODE
56	SOIL CLASSIFICATION FAMILY PARTICLE SIZE	SOIL	CLASSIFICATION	FAMILY	PARTICLE SIZE	CODE
57	SOIL CLASSIFICATION FAMILY SOIL TEMP	SOIL	CLASSIFICATION	FAMILY	SOIL TEMP	CODE
58	SOIL CLASSIFICATION GREAT GROUP	SOIL	CLASSIFICATION	GREAT GROUP		CODE
59	SOIL CLASSIFICATION ORDERS	SOIL	CLASSIFICATION	ORDERS		CODE
60	SOIL CLASSIFICATION PHASE	SOIL	CLASSIFICATION	PHASE		NAME
61	SOIL CLASSIFICATION PHASE OTHER	SOIL	CLASSIFICATION	PHASE	OTHER	NAME
62	SOIL CLASSIFICATION PHASE SLOPE	SOIL	CLASSIFICATION	PHASE	SLOPE	NAME
63	SOIL CLASSIFICATION PHASE TEXTURE CLASS	SOIL	CLASSIFICATION	PHASE	TEXTURE CLASS	NAME
64	SOIL CLASSIFICATION PHASE TEXTURE MOD	SOIL	CLASSIFICATION	PHASE	TEXTURE MODIF	CODE
65	SOIL CLASSIFICATION SERIES	SOIL	CLASSIFICATION	SERIES		NAME
66	SOIL CLASSIFICATION SERIES CHARACTER	SOIL	CLASSIFICATION	SERIES	CHARACTERISTICS	TEXT
67	SOIL CLASSIFICATION SERIES NAME STATUS	SOIL	CLASSIFICATION	SERIES	NAME STATUS	CODE
68	SOIL CLASSIFICATION SUBGROUP	SOIL	CLASSIFICATION	SUBGROUP		CODE
69	SOIL CLASSIFICATION SUBORDERS	SOIL	CLASSIFICATION	SUBORDERS		CODE
70	SOIL CLASSIFICATION UNIFIED	SOIL	CLASSIFICATION	UNIFIED		CODE
71	SOIL CLAY FILMS FREQUENCY	SOIL	CLAY FILMS	FREQUENCY		CODE
72	SOIL CLAY FILMS LOCATION	SOIL	CLAY FILMS	LOCATION		CODE
73	SOIL CLAY FILMS THICKNESS	SOIL	CLAY FILMS	THICKNESS		CODE
74	SOIL COLOR CHROMA	SOIL	COLOR	CHROMA		CODE

SOIL RESOURCE DATA SET -- DATA ELEMENTS

CURRENT		PROPOSED NAME				CLASSWORD
Record No.	Data Element Name	SUBJECT WORD	MODIFIER	MODIFIER	MODIFIER	
75	SOIL COLOR DRY	SOIL	COLOR	DRY		CODE
76	SOIL COLOR HUE	SOIL	COLOR	HUE		CODE
77	SOIL COLOR MOIST	SOIL	COLOR	MOIST		CODE
78	SOIL COLOR VALUE	SOIL	COLOR	VALUE		CODE
79	SOIL COMP CALCIUM CARBONATE PERCENT	SAMPLE	SOIL	CALCIUM CARBONT		PERCENT
80	SOIL COMP CARBON-NITROGEN RATIO	SAMPLE	SOIL	CARBON-NITROGEN	RATIO	TEXT
81	SOIL COMP CARBONATES EFFERVESCENCE	SAMPLE	SOIL	CARBONATES	EFFERVESCENCE	CODE
82	SOIL COMP FREE IRON PERCENT	SAMPLE	SOIL	FREE IRON		PERCENT
83	SOIL COMP GYPSUM PERCENT	SAMPLE	SOIL	GYPSUM		PERCENT
84	SOIL COMP NITROGEN CONTENT PERCENT	SAMPLE	SOIL	NITROGEN		PERCENT
85	SOIL COMP ORGANIC CARBON PERCENT	SAMPLE	SOIL	ORGANIC CARBON		PERCENT
86	SOIL COMP ORGANIC MATTER CLASS	SOIL	ORGANIC MATTER			CODE
87	SOIL COMP ORGANIC MATTER CONTENT	SAMPLE	SOIL	ORGANIC MATTER		PERCENT
88	SOIL COMPACTION HAZARD	SOIL	COMPACTION	HAZARD		CODE
89	SOIL COMPACTION TOLERANCE BIOLOGICAL	SOIL	COMPACTION	TOLERANCE	BIOLOGICAL	CODE
90	SOIL COMPETING	SOIL	COMPETING			NAME
91	SOIL CONDUCTIVITY ELECTRICAL	SOIL	CONDUCTIVITY	ELECTRICAL		MEASUREMENT
92	SOIL CONSISTENCE DRY	SOIL	CONSISTENCE	DRY		CODE
93	SOIL CONSISTENCE FLUID	SOIL	CONSISTENCE	FLUID		CODE
94	SOIL CONSISTENCE MOIST	SOIL	CONSISTENCE	MOIST		CODE
95	SOIL CONSISTENCE THIXOTROPY	SOIL	CONSISTENCE	THIXOTROPY		CODE
96	SOIL CONSISTENCE WET PLASTIC	SOIL	CONSISTENCE	WET	PLASTIC	CODE
97	SOIL CONSISTENCE WET STICKY	SOIL	CONSISTENCE	WET	STICKY	CODE
98	SOIL CORROSIVITY CONCRETE	SOIL	CORROSIVITY	CONCRETE		CODE
99	SOIL CORROSIVITY UNCOATED STEEL	SOIL	CORROSIVITY	UNCOATED STEEL		CODE
100	SOIL DAMAGE	SOIL	DAMAGE			CODE
101	SOIL DEPTH TO BEDROCK	SOIL	BEDROCK	DEPTH		MEASUREMENT
102	SOIL DEPTH TO HARDPAN	SOIL	HARDPAN	DEPTH		MEASUREMENT
103	SOIL DESCRIPTION DATE	SOIL	DESCRIPTION			DATE
104	SOIL DRAINAGE CLASS	SOIL	DRAINAGE	CLASS		CODE
105	SOIL ERODIBILITY FACTOR (K)	SOIL	ERODIBILITY	FACTOR K		NUMBER
106	SOIL ERODIBILITY GROUP WIND	SOIL	ERODIBILITY	WIND	GROUP	CODE
107	SOIL EROSION HAZARD	SOIL	EROSION	HAZARD		CODE
108	SOIL EROSION INDEX WIND (I)	SOIL	EROSION	WIND	INDEX	NUMBER
109	SOIL EROSION TOLERANCE FACTOR (T)	SOIL	EROSION	TOLERANCE	FACTOR	NUMBER
110	SOIL EROSION WATER AMOUNT	SOIL	EROSION	WATER		MEASUREMENT
111	SOIL EROSION WATER CLASS	SOIL	EROSION	WATER	CLASS	CODE

SOIL RESOURCE DATA SET -- DATA ELEMENTS

CURRENT		PROPOSED NAME				
Record No.	Data Element Name	SUBJECT WORD	MODIFIER	MODIFIER	MODIFIER	CLASSWORD
112	SOIL EROSION WATER TYPE	SOIL	EROSION	WATER	TYPE	CODE
113	SOIL EROSION WIND CLASS	SOIL	EROSION	WIND	CLASS	CODE
114	SOIL FROST ACTION POTENTIAL	SOIL	FROST ACTION	POTENTIAL		CODE
115	SOIL FROST ACTION SUSCEPTIBILITY	SOIL	FROST ACTION	SUSCEPTIBILITY		CODE
116	SOIL GEOGRAPHICALLY ASSOCIATED	SOIL	GEOGRAPHICALLY	ASSOCIATED		TEXT
117	SOIL HORIZON BOUNDARY DISTINCTNESS	SOIL	HORIZON	BOUNDARY	DISTINCTNESS	CODE
118	SOIL HORIZON BOUNDARY TOPOGRAPHY	SOIL	HORIZON	BOUNDARY	TOPOGRAPHY	CODE
119	SOIL HORIZON DEPTH LOWER	SOIL	HORIZON	DEPTH	LOWER	MEASUREMENT
120	SOIL HORIZON DEPTH UPPER	SOIL	HORIZON	DEPTH	UPPER	MEASUREMENT
121	SOIL HORIZON DIAGNOSTIC SUBSURFACE	SOIL	HORIZON	DIAGNOSTIC	SUBSURFACE	NAME
122	SOIL HORIZON DIAGNOSTIC SURFACE	SOIL	HORIZON	DIAGNOSTIC	SURFACE	CODE
123	SOIL HORIZON DIAGNOSTIC THICKNESS MAX	SOIL	HORIZON	DIAGNOSTIC	THICKNESS MAX	MEASUREMENT
124	SOIL HORIZON DIAGNOSTIC THICKNESS MIN	SOIL	HORIZON	DIAGNOSTIC	THICKNESS MIN	MEASUREMENT
125	SOIL HORIZON MASTER CURRENT	SOIL	HORIZON	MASTER	CURRENT	CODE
126	SOIL HORIZON MASTER OLD	SOIL	HORIZON	MASTER	OLD	CODE
127	SOIL HORIZON SUBORDINATE CURRENT	SOIL	HORIZON	SUBORDINATE	CURRENT	CODE
128	SOIL HORIZON SUBORDINATE OLD	SOIL	HORIZON	SUBORDINATE	OLD	CODE
129	SOIL HORIZON THICKNESS	SOIL	HORIZON	THICKNESS		MEASUREMENT
130	SOIL HORIZON TRANSITIONAL CURRENT	SOIL	HORIZON	TRANSITIONAL	CURRENT	CODE
131	SOIL HORIZON TRANSITIONAL OLD	SOIL	HORIZON	TRANSITIONAL	OLD	CODE
132	SOIL HYDROLOGIC GROUP	SOIL	HYDROLOGIC	GROUP		CODE
133	SOIL INFILTRATION RATE CLASS	SOIL	INFILTRATION	RATE		CODE
134	SOIL INVENTORY COMPLETION DATE	INVENTORY	SOIL	COMPLETION		DATE
135	SOIL LAB SAMPLE COLLECTORS NAME	SAMPLE	SOIL	COLLECTORS		NAME
136	SOIL LAB SAMPLE DATE	SAMPLE	SOIL			DATE
137	SOIL LAB SAMPLE NUMBER	SAMPLE	SOIL			NUMBER
138	SOIL LIMITATION RATING	SOIL	LIMITATION	RATING		CODE
139	SOIL LIQUID LIMIT HIGH	SAMPLE	SOIL	LIQUID LIMIT	HIGH	PERCENT
140	SOIL LIQUID LIMIT LOW	SAMPLE	SOIL	LIQUID LIMIT	LOW	PERCENT
141	SOIL LIQUID LIMIT SPECIFIC	SAMPLE	SOIL	LIQUID LIMIT	SPECIFIC	PERCENT
142	SOIL LOCATION FIELD SAMPLE	SAMPLE	LOCATION	SOIL		
143	SOIL LOCATION FIELD SAMPLE NARRATIVE	SAMPLE	LOCATION	SOIL	DESCRIPTION	TEXT
144	SOIL LOCATION SURVEY AREA	INVENTORY	LOCATION	SOIL		
145	SOIL LOCATION TRANSECT	INVENTORY	LOCATION	SOIL TRANSECT		
146	SOIL LOCATION TRANSECT NARRATIVE	INVENTORY	LOCATION	SOIL TRANSECT	DESCRIPTIVE	TEXT
147	SOIL LOCATION TYPE SERIES	LAND AREA	LOCATION	SOIL SERIES		
148	SOIL LOCATION TYPE SERIES NARRATIVE	LAND AREA	LOCATION	SOIL SERIES	DESCRIPTIVE	TEXT

SOIL RESOURCE DATA SET -- DATA ELEMENTS

Record No.	CURRENT	PROPOSED NAME				CLASSWORD
	Data Element Name	SUBJECT WORD	MODIFIER	MODIFIER	MODIFIER	
149	SOIL LOCATION TYPE SURVEY AREA	INVENTORY	LOCATION	SOIL PEDON		
150	SOIL LOCATION TYPE SURVEY AREA NARRATIVE	INVENTORY	LOCATION	SOIL PEDON	DESCRIPTIVE	TEXT
151	SOIL MAP SYMBOLS	DOCUMENT	MAP	SOIL	SYMBOLS	
152	SOIL MAP UNIT COMPONENTS COMPOSITION %	LAND AREA	SOIL	MAP UNIT COMPNT	COMPOSITION	PERCENT
153	SOIL MAP UNIT COMPONENTS MAJOR	LAND AREA	SOIL	MAP UNIT COMPNT	MAJOR	NAME
154	SOIL MAP UNIT COMPONENTS MINOR	LAND AREA	SOIL	MAP UNIT COMPNT	MINOR	NAME
155	SOIL MAP UNIT COMPONENTS NAME	LAND AREA	SOIL	MAP UNIT COMPNT		NAME
156	SOIL MAP UNIT DESCRIPTION NARRATIVE	LAND AREA	SOIL	MAP UNIT	DESCRIPTIVE	TEXT
157	SOIL MAP UNIT INCLUSIONS PERCENT	LAND AREA	SOIL	MAP UNIT	INCLUSIONS	PERCENT
158	SOIL MAP UNIT NAME	LAND AREA	SOIL	MAP UNIT	NAME	CODE
159	SOIL MAP UNIT SYMBOL	LAND AREA	SOIL	MAP UNIT	SYMBOL	NUMBER
160	SOIL MEASUREMENT TYPE FIELD OR LAB	SOIL	MEASUREMENT	TYPE		CODE
161	SOIL MOISTURE REGIMES	SOIL	MOISTURE	REGIMES		NAME
162	SOIL MOISTURE PERCENT	SOIL	MOISTURE			PERCENT
163	SOIL MOISTURE PERCENT 1/10 BAR	SOIL	MOISTURE	1/10 BAR		PERCENT
164	SOIL MOISTURE PERCENT 1/3 BAR	SOIL	MOISTURE	1/3 BAR		PERCENT
165	SOIL MOISTURE PERCENT 15 BAR	SOIL	MOISTURE	15 BAR		PERCENT
166	SOIL MOISTURE PERCENT CLASS	SOIL	MOISTURE	CLASS		CODE
167	SOIL MOISTURE PERCENT DEPTH	SOIL	MOISTURE	DEPTH		MEASUREMENT
168	SOIL MOTTLES COLOR	SOIL	MOTTLES	COLOR		CODE
169	SOIL MOTTLES CONTRAST	SOIL	MOTTLES	CONTRAST		CODE
170	SOIL MOTTLES QUANTITY	SOIL	MOTTLES	QUANTITY		CODE
171	SOIL MOTTLES SIZE	SOIL	MOTTLES	SIZE		CODE
172	SOIL NOTES NARRATIVE	SOIL	NOTES	DESCRIPTIVE		TEXT
173	SOIL PARENT MATERIAL	SOIL	MATERIAL	PARENT		NAME
174	SOIL PERMEABILITY RATE CLASS	SOIL	PERMEABILITY	RATE	CLASS	CODE
175	SOIL PERMEABILITY RATE HIGH	SOIL	PERMEABILITY	RATE	HIGH	MEASUREMENT
176	SOIL PERMEABILITY RATE LOW	SOIL	PERMEABILITY	RATE	LOW	MEASUREMENT
177	SOIL PERMEABILITY RATE SPECIFIC	SOIL	PERMEABILITY	RATE	SPECIFIC	MEASUREMENT
178	SOIL PLASTIC LIMIT HIGH	SOIL	PLASTIC LIMIT	HIGH		PERCENT
179	SOIL PLASTIC LIMIT LOW	SOIL	PLASTIC LIMIT	LOW		PERCENT
180	SOIL PLASTIC LIMIT SPECIFIC	SOIL	PLASTIC LIMIT	SPECIFIC		PERCENT
181	SOIL PLASTICITY INDEX HIGH	SOIL	PLASTICITY	INDEX	HIGH	NUMBER
182	SOIL PLASTICITY INDEX LOW	SOIL	PLASTICITY	INDEX	LOW	NUMBER
183	SOIL PLASTICITY INDEX SPECIFIC	SOIL	PLASTICITY	INDEX	SPECIFIC	NUMBER
184	SOIL PORES LOCATION	SOIL	PORES	LOCATION		CODE
185	SOIL PORES QUANTITY	SOIL	PORES	QUANTITY		CODE

SOIL RESOURCE DATA SET -- DATA ELEMENTS

<u>CURRENT</u>		<u>PROPOSED NAME</u>				
<u>Record No.</u>	<u>Data Element Name</u>	<u>SUBJECT WORD</u>	<u>MODIFIER</u>	<u>MODIFIER</u>	<u>MODIFIER</u>	<u>CLASSWORD</u>
186	SOIL PORES SHAPE	SOIL	PORES	SHAPE		CODE
187	SOIL PORES SIZE	SOIL	PORES	SIZE		CODE
188	SOIL PROPERTIES ACCUMU AMOUNT HIGH	SOIL	PROPERTY ACCUM	AMOUNT	HIGH	MEASUREMENT
189	SOIL PROPERTIES ACCUMU AMOUNT LOW	SOIL	PROPERTY ACCUM	AMOUNT	LOW	MEASUREMENT
190	SOIL PROPERTIES ACCUMU MAX DEPTH TO	SOIL	PROPERTY ACCUM	DEPTH	MAX	MEASUREMENT
191	SOIL PROPERTIES ACCUMU MIN DEPTH TO	SOIL	PROPERTY ACCUM	DEPTH	MIN	MEASUREMENT
192	SOIL PROPERTIES ACCUMU TYPE	SOIL	PROPERTY ACCUM	TYPE		CODE
193	SOIL REACTION (PH) CLASS	SOIL	REACTION (PH)	CLASS		CODE
194	SOIL REACTION (PH) HIGH	SOIL	REACTION (PH)	HIGH		MEASUREMENT
195	SOIL REACTION (PH) LOW	SOIL	REACTION (PH)	LOW		MEASUREMENT
196	SOIL REACTION (PH) SPECIFIC	SOIL	REACTION (PH)	SPECIFIC		MEASUREMENT
197	SOIL REFERENCE	SOIL	REFERENCE	SERIES		NAME
198	SOIL ROCK FRAGMENTS 35 - 50% MAX DEPTH	SOIL	ROCK FRAGMENTS	35 TO 50 PERCNT	DEPTH MAX	MEASUREMENT
199	SOIL ROCK FRAGMENTS 35 - 50% MIN DEPTH	SOIL	ROCK FRAGMENTS	35 TO 50 PERCNT	DEPTH MIN	MEASUREMENT
200	SOIL ROCK FRAGMENTS 35 - 50% THICKNESS	SOIL	ROCK FRAGMENTS	35 TO 50 PERCNT	THICKNESS	MEASUREMENT
201	SOIL ROCK FRAGMENTS OVER 50% MAX DEPTH	SOIL	ROCK FRAGMENTS	OVER 50 PERCENT	DEPTH MAX	MEASUREMENT
202	SOIL ROCK FRAGMENTS OVER 50% MIN DEPTH	SOIL	ROCK FRAGMENTS	OVER 50 PERCENT	DEPTH MIN	MEASUREMENT
203	SOIL ROCK FRAGMENTS OVER 50% THICKNESS	SOIL	ROCK FRAGMENTS	OVER 50 PERCENT	THICKNESS	MEASUREMENT
204	SOIL ROCK FRAGMENTS SOIL AMOUNT IN THE	SOIL	ROCK FRAGMENTS	IN SOIL	AMOUNT	CODE
205	SOIL ROCK FRAGMENTS SURFACE AMOUNT	SOIL	ROCK FRAGMENTS	ON SURFACE	AMOUNT	CODE
206	SOIL ROCK FRAGMENTS SURFACE TYPE	SOIL	ROCK FRAGMENTS	ON SURFACE	TYPE	NAME
207	SOIL ROCK PARENT NAME	SOIL	ROCK	PARENT		NAME
208	SOIL ROCK ROCK OUTCROPS AMOUNT	SOIL	ROCK	OUTCROPS	AMOUNT	CODE
209	SOIL ROOT ZONE DEPTH EFFECTIVE	SOIL	ROOT ZONE	DEPTH	EFFECTIVE	MEASUREMENT
210	SOIL ROOT ZONE DEPTH MAXIMUM	SOIL	ROOT ZONE	DEPTH	MAXIMUM	MEASUREMENT
211	SOIL ROOT ZONE DEPTH MINIMUM	SOIL	ROOT ZONE	DEPTH	MINIMUM	MEASUREMENT
212	SOIL ROOT ZONE LIMITING LAYER	SOIL	ROOT ZONE	LIMITING LAYER		CODE
213	SOIL ROOTS ABUNDANCE	SOIL	ROOTS	ABUNDANCE		CODE
214	SOIL ROOTS LOCATION	SOIL	ROOTS	LOCATION		CODE
215	SOIL ROOTS SIZE	SOIL	ROOTS	SIZE		CODE
216	SOIL RUNOFF RATE CLASS	SOIL	RUNOFF RATE			CODE
217	SOIL SALINITY CLASS	SOIL	SALINITY	CLASS		CODE
218	SOIL SALINITY HIGH	SAMPLE	SOIL	SALINITY	HIGH	MEASUREMENT
219	SOIL SALINITY LOW	SAMPLE	SOIL	SALINITY	LOW	MEASUREMENT
220	SOIL SALINITY SPECIFIC	SAMPLE	SOIL	SALINITY	SPECIFIC	MEASUREMENT
221	SOIL SEPARATES CLASS	SOIL	SEPARATES	CLASS		CODE
222	SOIL SEPARATES CLASS PERCENT	SOIL	SEPARATES	CLASS		PERCENT

SOIL RESOURCE DATA SET -- DATA ELEMENTS

CURRENT		PROPOSED NAME				CLASSWORD
Record No.	Data Element Name	SUBJECT WORD	MODIFIER	MODIFIER	MODIFIER	
223	SOIL SHRINK-SWELL POTENTIAL CLASS	SOIL	SHRINK-SWELL	POTENTIAL		CODE
224	SOIL SHRINK-SWELL POTENTIAL SPECIFIC	SOIL	SHRINK-SWELL	POTENTIAL	SPECIFIC	NUMBER
225	SOIL SODICITY CLASS	SOIL	SODICITY	CLASS		CODE
226	SOIL SODICITY EXCHANGEABLE SODIUM %	SOIL	SODICITY	EXCHANGEABLE	SODIUM	PERCENT
227	SOIL SODICITY HIGH	SAMPLE	SOIL	SODICITY	HIGH	NUMBER
228	SOIL SODICITY LOW	SAMPLE	SOIL	SODICITY	LOW	NUMBER
229	SOIL SODICITY SPECIFIC	SAMPLE	SOIL	SODICITY	SPECIFIC	NUMBER
230	SOIL STRUCTURE GRADE	SOIL	STRUCTURE	GRADE		CODE
231	SOIL STRUCTURE SIZE	SOIL	STRUCTURE	SIZE		CODE
232	SOIL STRUCTURE TYPE SHAPE	SOIL	STRUCTURE	SHAPE		CODE
233	SOIL SUBSIDENCE	SOIL	SUBSIDENCE			MEASUREMENT
234	SOIL SUITABILITY RATING	SOIL	SUITABILITY	RATING		CODE
235	SOIL SURFACE FACTOR RATING	SOIL	SURFACE FACTOR	RATING		NUMBER
236	SOIL SURFACE FACTOR RATING AVERAGE	SOIL	SURFACE FACTOR	RATING	AVERAGE	NUMBER
237	SOIL SURVEY AREA ACRES	INVENTORY	SOIL	SURVEY AREA		MEASUREMENT
238	SOIL SURVEY AREA ID NUMBER	INVENTORY	SOIL	SURVEY AREA	IDENTIFICATION	NUMBER
239	SOIL SURVEY AREA NAME	INVENTORY	SOIL	SURVEY AREA		NAME
240	SOIL TAXADJUNCT	SOIL	TAXADJUNCT			NAME
241	SOIL TEMPERATURE	SOIL	TEMPERATURE			MEASUREMENT
242	SOIL TEMPERATURE DEPTH	SOIL	TEMPERATURE	DEPTH		MEASUREMENT
243	SOIL TEMPERATURE MAXIMUM DAILY	SOIL	TEMPERATURE	DAILY	MAXIMUM	MEASUREMENT
244	SOIL TEMPERATURE MINIMUM DAILY	SOIL	TEMPERATURE	DAILY	MINIMUM	MEASUREMENT
245	SOIL TEXTURE CLASS FINE EARTH FRACTION	SOIL	TEXTURE	CLASS	FINE EARTH FRAC	CODE
246	SOIL TEXTURE CLASS MODIFIER	SOIL	TEXTURE	CLASS	MODIFIER	CODE
247	SOIL TRANSECT IDENTIFICATION NUMBER	INVENTORY	SOIL	TRANSECT	IDENTIFICATION	NUMBER
248	SOIL USE TYPE	SOIL	USE	TYPE		CODE
249	SOIL VARIANT	SOIL	VARIANT			NAME
250	SOIL WATER TABLE DEPTH	SOIL	WATER TABLE	DEPTH		MEASUREMENT
251	SOIL WATER TABLE TYPE	SOIL	WATER TABLE	TYPE		CODE
252	SOIL WATER TABLE MONTHS	SOIL	WATER TABLE	OCCURRENCE		CODE
253	SOIL-WATER STATES	SOIL	MOISTURE	WATER STATES		CODE
254	SOIL-WATER STATES ANNUAL PATTERN	SOIL	MOISTURE	WATER STATES	PATTERN	CODE
255	SOIL-WATER STATES LAYER DEPTH HIGH	SOIL	MOISTURE	WATER STATES	DEPTH HIGH	MEASUREMENT
256	SOIL-WATER STATES LAYER DEPTH LOW	SOIL	MOISTURE	WATER STATES	DEPTH LOW	MEASUREMENT
257	SOIL-WATER STATES MONTH	SOIL	MOISTURE	WATER STATES	OCCURRENCE	CODE
258	UNIT OF MEASURE	SOIL	MEASUREMENT	UNIT		CODE
259	UPDATE DATE	SOIL	UPDATE			DATE

Data Set Name: SOIL RESOURCE:

RECORD : 1

Field Length:24:

Authority:FLPMA NCSS:

Data Element Name: ECOLOGICAL SITE IDENTIFICATION NUMBER:

Source of Information: TECH NOTE:

Form:FORM:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :1:

New/RW/Accept:2: 1 - New Element
2 - Rewrite Previous
3 - Accept Previous

Data Element Number:3955:

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:NUMBERING SYSTEM FOR UNIQUE IDENTIFIERS FOR EACH ECOLOGICAL SITE.:

:PART OF NUMBERING SYSTEM INCLUDES SOIL MAP UNIT NAME.:

:RELATED TO DATA ELEMENT: SOIL MAP UNIT NAME
ECOLOGICAL SITE NAME

Data Standards:

:UP TO 24 CHARACTER ALPHANUMERIC NUMBER

Codes:

:ENTER ACTUAL NUMBER

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 2

Field Length:16:

Authority:FLPMA NCSS:

Data Element Name: ECOLOGICAL SITE NAME:

Source of Information: TECH NOTE:

Form:FORM:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public. no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :I:

New/RW/Accept:2: 1 - New Element

Data Element Number:3914:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES. ESTABLISHED

Data Category:C: C - CORPORATE

N - No. not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE NAME GIVEN TO AN INDIVIDUAL ECOLOGICAL SITE. NAMES ARE
:BASED ON SUCH READILY RECOGNIZED PERMANENT PHYSICAL FEATURES
:AS THE GENERAL KINDS OF SOIL TEXTURE. CLIMATE, TOPOGRAPHY. OR A
:COMBINATION OF THESE FEATURES.

:RELATED TO DATA ELEMENT: ECOLOGICAL SITE IDENTIFICATION NUMBER

Data Standards:

:UP TO 16 CHARACTER ALPHANUMERIC NAME

Codes:

:ENTER ACTUAL NAME

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 3

Field Length:5: Authority:FLPMA NCSS:

Data Element Name: ELEVATION:

Source of Information: NCSS. SSM:

Form:SCS-232:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D: Graphics:Y: Security:PUB:
N - Not Automated Y - Will be in GIS PUB - Public, no restrictions
L - DPS6 Honeywell N - Will not in GIS IPR - Internal Proprietary
D - DPS870 Honeywell U - Unknown IN - Internal Investigatory
M - Micro Based Sys IOT - Internal Other
P - Prime System
G - Data General O - Other Print this record? :T:

New/RW/Accept:3: 1 - New Element Data Element Number:0431:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED Data Category:C: C - CORPORATE
N - No. not developed D - Discretionary

Descriptive Element Name:

Element definition:

:ELEVATION ABOVE OR BELOW (-) MEAN SEA LEVEL FOR AN INVENTORY.

:STUDY SITE. OR GEOGRAPHIC AREA.

Data Standards:

:MEASURED IN FEET OR METERS TO THE NEAREST UNIT OR NEAREST HUNDRED:

:UNITS.

:VALUES RANGE FROM -9.999 TO 99.999

:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT UNIT OF MEASURE TO

:IDENTIFY TYPE.

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 4

Field Length:5:

Authority:FLPMA NCSS:

Data Element Name: ELEVATION RANGE HIGH:

Source of Information: NCSS, SSM:

Form:SCS-232:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public. no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:HIGHEST ELEVATION ABOVE OR BELOW (-) MEAN SEA LEVEL

:FOR A INVENTORY, STUDY SITE, OR GEOGRAPHIC AREA.

Data Standards:

:MEASURED IN FEET OR METERS TO THE NEAREST UNIT OR NEAREST HUNDRED:

:UNITS.

:VALUES RANGE FROM -9,999 TO 99,999

:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT UNIT OF MEASURE TO

:IDENTIFY TYPE.

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 5

Field Length:5:

Authority:FLPMA NCSS:

Data Element Name: ELEVATION RANGE LOW:

Source of Information: NCSS, SSM:

Form:SCS-232:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :1:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

: LOWEST ELEVATION ABOVE OR BELOW (-) MEAN SEA LEVEL

: FOR AN INVENTORY, STUDY SITE, OR GEOGRAPHIC AREA.

Data Standards:

: MEASURED IN FEET OR METERS TO THE NEAREST UNIT OR NEAREST HUNDRED:

: UNITS.

: VALUES RANGE FROM -9,999 TO 99,999

: DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT UNIT OF MEASURE TO

: IDENTIFY TYPE.

Codes:

: ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 6

Field Length:2:

Authority:FLPMA NCSS:

Data Element Name: FLOODING HAZARD DURATION CLASS:

Source of Information: NCSS. SSM:

Form:SCS-SOI-5:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

P - Prime System

IOT - Internal Other

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:A GENERAL DESCRIPTIVE TERM FOR THE AVERAGE
:DURATION OF INUNDATION PER FLOOD OCCURRENCE
:FOR A GEOGRAPHIC AREA.

Data Standards:

:ONE OR TWO CHARACTER ALPHABETIC CODE

Codes:

:VB = VERY BRIEF (LESS THAN TWO DAYS)

:B = BRIEF (2 TO 7 DAYS)

:L = LONG (7 DAYS TO 1 MONTH)

:VL = VERY LONG (MORE THAN ONE MONTH)

:FF = FLASH FLOODING (LESS THAN 2 HOURS)

EXISTING CODES:

(FOR CONVERSION)

VBRIEF

BRIEF

LONG

VLONG

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 8

Field Length:3:

Authority:FLPMA NCSS:

Data Element Name: FLOODING HAZARD MONTHS:

Source of Information: NCSS, NSH:

Form:SCS-SOI-5:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

P - Prime System

IOT - Internal Other

G - Data General

O - Other

Print this record? :I:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:TIME OF YEAR WHEN FLOODS ARE MOST LIKELY TO OCCUR EXPRESSED BY
:MONTHS.

Data Standards:

:THREE CHARACTER ALPHABETIC ABBREVIATION FOR MONTH
:MULTIPLE ENTRIES ALLOWED.

Codes:

:JAN = JANUARY

JUL = JULY

:FEB = FEBRUARY

AUG = AUGUST

:MAR = MARCH

SEP = SEPTEMBER

:APR = APRIL

OCT = OCTOBER

:MAY = MAY

NOV = NOVEMBER

:JUN = JUNE

DEC = DECEMBER

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 9

Field Length:3:

Authority:FLPMA NCSS:

Data Element Name: FROST FREE DAYS:

Source of Information: NCSS. SSM. NSH605.02:

Form:SOI-5 &232:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number:4949:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES. ESTABLISHED

Data Category:C: C - CORPORATE

N - No. not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE NUMBER OF CONSECUTIVE DAYS WITH AIR TEMPERATURES GREATER THAN:
:32 DEGREES FAHRENHEIT BETWEEN THE LAST FREEZE IN
:THE SPRING AND THE FIRST FREEZE IN THE FALL.

Data Standards:

:NUMBER OF DAYS TO THE NEAREST WHOLE DAY.

:VALUES RANGE FROM 0 TO 366

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 10

Field Length:120:

Authority:FLPMA NCSS:

Data Element Name: GEOLOGIC FORMATIONS:

Source of Information: NCSS, SSM, NSH:

Form:SCS-232:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public. no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

P - Prime System

IOT - Internal Other

G - Data General

O - Other

Print this record? :I:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES. ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE NAME OR NAMES OF GEOLOGIC FORMATIONS IDENTIFIED
:ON STATE, COUNTY OR LOCAL GEOLOGY MAPS.

Data Standards:

:UP TO 120 CHARACTER ALPHABETIC NAME

Codes:

:ENTER ACTUAL NAME

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 11

Field Length:3:

Authority:FLPMA NCSS:

Data Element Name: LAND FORM:

Source of Information: NCSS, NSH P.606:

Form:MANY:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 HoneyWell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element
2 - Rewrite Previous
3 - Accept Previous

Data Element Number:5132:

Standards:Y: Y - YES, ESTABLISHED
N - No, not developed

Data Category:C: C - CORPORATE
D - Discretionary

Descriptive Element Name:

Element definition:

: A QUALITATIVE TERM OR NAME IDENTIFYING THE MOST TYPICAL
: LAND FORM WHICH IS ANY PHYSICAL, RECOGNIZABLE FORM OR FEATURE
: OF THE EARTH'S SURFACE HAVING A CHARACTERISTIC SHAPE, AND
: PRODUCED BY NATURAL CAUSES.

: THREE REFERENCE SOURCES:

: BLM MANUAL 6602 APPENDIX 4, PAGES 1 TO 3

: TECH BULLETIN 28 "LAND FORM OF THE BASIN AND RANGE PROVINCE

: DEFINED FOR SOIL SURVEY" FREDRICK PETERSON, UNIV. OF NEVADA

: NATIONAL SOILS HANDBOOK

Data Standards:

: THREE CHARACTER ALPHABETIC CODE

Codes:

: SEE ATTACHED SHEET FOR 325 CODES

: CODES ARE FROM EXISTING DATA ELEMENT 5132 = EARTH SURFACE LAND
: FORM. THEY ARE IN ALPHABETICAL ORDER BY FULL NAME (NOT CODE).
: ENTRIES WITH 'NSH' ARE ADDITIONS FROM NATIONAL SOILS
: HANDBOOK (CODES TO BE DEFINED).

User Fields:

SOIL RESOURCE DATA SET

PG. 1/17

RECORD NO. 11

DATA ELEMENT NAME: LAND FORM

CODES:

ACS	ACTIVE SLOPE	NSH
ALC	ALLUVIAL CONE	NSH
ALF	ALLUVIAL FAN	6602 THE FANLIKE DEPOSIT OF A STREAM WHERE IT ISSUES FROM A GORGE UPON A PLAIN OR OF JUNCTION WITH ITS MAIN STREAM. (WEBSTER)
AFL	ALLUVIAL FLAT	TECH. BULLETIN 28. MAJOR LANDFORM A NEARLY LEVEL, GRADED, ALLUVIAL SURFACE BETWEEN THE PIEDMONT SLOPE AND PLAYA OF A BOLSON OR THE AXIAL-STREAM FLOODPLAIN OF A SEMI-BOLSON.
ALP	ALLUVIAL PLAIN	6602 (1) A LEVEL OR GENTLY SLOPING FLAT OR A SLIGHTLY UNDULATING LAND SURFACE RESULTING FROM EXTENSIVE DEPOSITION OF ALLUVIAL MATERIALS BY RUNNING WATER. A PLAIN FORMED BY LATERAL COALESCENCE OF ALLUVIAL FANS (A PIEDMONT ALLUVIAL PLAIN). (WEBSTER)
ALT	ALLUVIAL TERRANCE	NSH
ALE	ALPINE	NSH
ANT	ANTICLINE	NSH
ARE	ARETE	NSH
ARY	ARROYO	
AVC	AVALANCHE CHUTE	NSH
AVT	AVALANCHE TRACK	NSH
ASE	AXIAL STREAM	TECH. BULLETIN 28 THE STREAM WHICH CROSSES THE FLOOR OF A SEMI-BOLSON EXITING FROM THE BASIN. IT MAY BE A PERENNIAL, INTERMITTENT OR EPHEMERAL STREAM.
ASF	AXIAL-STREAM	TECH. BULLETIN 28 FLOODPLAIN MAJOR LANDFORM THE TRANSVERSELY LEVEL FLOOR OF THE AXIAL-STREAM DRAINAGEWAY OF A SEMI-BOLSON OR OF A MAJOR DESERT STREAM VALLEY THAT IS OCCASIONALLY OR REGULARLY ALLUVIATED BY THE STREAM OVERFLOWING ITS CHANNEL DURING FLOOD. THE FLOODPLAIN MAY BE NARROW OR BROAD. IN SOME CASES IT IS COVERED BY WET MEADOW.
BAT	BACKSHORE TERRACE	NSH

BKS	BACKSLOPE	TECH. BULLETIN 28 SLOPE COMPONENT THE STEEPEST, STRAIGHT THEN CONCAVE, OR MERELY CONCAVE MIDDLE PORTION OF AN EROSIONAL SLOPE.
BAP	BACKSWAMP	NSH
BAL	BADLANDS	6602 A REGION CHARACTERIZED BY THE INTRICATE AND SHARP EROSIONAL SCULPTURE OF GENERALLY WEAK ROCKS USUALLY FORMING NEARLY HORIZONTAL BEDS. GENERALLY DEVELOPING IN DECOMPOSED GRANITE, LOESS, OR OTHER SOFT MATERIAL, LACKING OR HAVING ONLY SCANTY VEGETATION, AND CONSISTING OF STEEP, BURROWED, OR FANTASTICALLY FORMED HILLS, LABYRINTHINE DRAINAGE, AND NORMALLY DRY WATERCOURSES OR ARROYOS. (WEBSTER)
BIB	PIEDMONT BADLANDS	NSH
BAA	BAJADA	
BYN	BALLENA	TECH. BULLETIN 28 MAJOR LANDFORM PRONOUNCED BY-EENA DISTINCTLY ROUND TOPPED RIDGELINE REMNANTS OF FAN ALLUVIUM. THE RIDGE'S BROADLY ROUNDED SHOULDERS MEET FROM EITHER SIDE TO FORM A NARROW CREST AND MERGE SMOOTHLY WITH THE CONCAVE BACKSLOPES.
PAB	PARTIAL BALLENA	TECH. BULLETIN 28 LANDFORM ELEMENT A SPUR, WITH A FULLY ROUNDED CREST, THAT IS CONNECTED TO AN EROSIONAL FAN REMNANT LARGE ENOUGH THAT SOME RELICT FAN SURFACE IS PRESERVED ON THE REMNANT SUMMIT (CF., BALLENA)
BRZ	BAR	NSH
BRR	BAR (OFFSHORE & BARRIER)	TECH. BULLETIN 28 COMPONENT LANDFORM COMPRISED OF ELONGATE, COMMONLY CURVING, LOW RIDGES OF WELL SORTED SAND AND GRAVEL THAT STAND ABOVE THE GENERAL LEVEL OF A BOLSON FLOOR AND WERE BUILT BY THE WAVE ACTION OF A PLEISTOCENE LAKE.
BAC	BAR AND CHANNEL	NSH
BAB	BARRIER BEACH	NSH
BAF	BARRIER FLAT	NSH
BAI	BARRIER ISLAND	
BAR	BARRANCA	
BLL	BASE LEVEL	NSH
BAS	BASIN	NSH

BSF BASIN FLOOR

TECH. BULLETIN 28
MAJOR PHYSIOGRAPHIC PART
A GENERIC TERM FOR THE NEARLY LEVEL, LOWER MOST
MAJOR PHYSIOGRAPHIC PART OF INTERMONTANE BASIN,
I.E., OF BOTH BOLSONS AND SEMI-BOLSONS.

BFE BASIN FLOOR-EXT.

BASIN FLOOR WITH EXTERNAL DRAINAGE

BFI BASIN FLOOR-INT.

BASIN FLOOR WITH INTERIOR DRAINAGE

BFR BASIN FLOOR REMNANT

TECH. BULLETIN 28
COMPONENT LANDFORM A FLATTISH TOPPED, EROSIONAL
REMNANT OF ANY FORMER LANDFORM OF A BASIN FLOOR
THAT HAS BEEN DISSECTED FOLLOWING THE INCISION
OF AN AXIAL STREAM (NOT A COMMON LAND FORM).

BEA BEACH

NSH

BEG GRAVEL BEACH

BEP BEACH PLAIN

TECH. BULLETIN 28
MAJOR LANDFORM
A MAJOR LANDFORM OF BOLSON FLOORS COMPRISED OF
NUMEROUS, CLOSELY SPACED OFFSHORE BARS AND
INTERVENING LAGOONS BUILT BY A RECEDING
PLEISTOCENE LAKE.

BDG BEACH RIDGE

NSH

BES SAND BEACH

BET BEACH TERRACE

TECH. BULLETIN 28
COMPONENT LANDFORM OCCURS ON THE LOWER PIEDMONT
SLOPE THAT CONSISTS OF A WAVE-CUT SCRAP AND A
WAVE-BUILT TERRACE OF WELL-SORTED SAND AND
GRAVEL MARKING A STILL-STAND OF A PLEISTOCENE
LAKE.

BED BEADED DRAINAGE

NSH

BPR BEAVER POND RIP.

BEAVER POND RIPARIAN

BNC BENCH

LEVEL NARROW PLATFORM BREAKING UP SLOPE

BER BERM

NSH

BLF BLUFF

NSH

BOG BOG

NSH

BMR BOG MARSH RIPAR.

BOG MARSH RIPARIAN

BOL BOLSON

TECH. BULLETIN 28
A SPECIFIC IDENTIFICATION FOR AN INTERNALLY
DRAINED INTERMONTANE BASIN.

BDF BOLSON FLOOR

TECH. BULLETIN 28
MAJOR PHYSIOGRAPHIC PART
A SPECIFIC IDENTIFICATION FOR FLOOR OF A BOLSON
AS COMPARED WITH A SEMI-BOLSON FLOOR.

BTL	BOTTOMLAND	NSH
BCS	BRAIDED CHANNEL OR STREAM	NSH
BRK	BREAK	NSH
BRS	BREAKS	NSH
BTT	BUTTE	6602 AN ISOLATED HILL OR SMALL MOUNTAIN WITH STEEP OR PRECIPITOUS SIDES AND A TOP VARIOUSLY FLAT, ROUNDED, OR POINTED THAT MAY BE A RESIDUAL MASS ISOLATED BY EROSION, A VOLCANIC CONE, OR AN EXPOSED VOLCANIC NECK, AND THAT USUALLY HAS A SMALLER SUMMIT AREA THAN A MESA. (WEBSTER)
CAL	CALDERA	6602 A CRATER WHOSE DIAMETER IS MANY TIMES THAT OF THE VOLCANIC VENT BECAUSE OF THE COLLAPSE OR SUBSIDENCE OF THE CENTRAL PART OF A VOLCANO OR BECAUSE OF EXPLOSIONS OF EXTRAORDINARY VIOLENCE. (WEBSTER)
CAN	CANYON	6602 A DEEP NARROW VALLEY WITH PRECIPITOUS SIDES CHARACTERISTIC OF REGIONS WHERE DOWNWARD CUTTING OF THE STREAMS GREATLY EXCEEDS WEATHERING; GORGE. (WEBSTER)
CAB	CAROLINA BAY	NSH
CAS	CATSTEPS	NSH
CTT	CATTLE TRACKS	NSH
CHL	CHANNEL	TECH. BULLETIN 28 LANDFORM ELEMENT THE BED OF A SINGLE OR BRAIDED WATERCOURSE THAT COMMONLY IS BARREN OF VEGETATION AND IS FORMED BY MODERN ALLUVIUM. CHANNELS MAY BE ENCLOSED BY BANKS OR SPLAYED ACROSS AND SLIGHTLY MOUNDED ABOVE A FAN SURFACE AND INCLUDES BARS AND DUMPS OF COBBLES AND STONES.
CHB	CHANNEL (INTERMONTANE BASIN CONTEXT)	NSH
CHS	CHANNEL (STREAM)	NSH
CIN	CINDER CONE	
CIR	CIRQUE	NSH
CLI	CLIFF	NSH
COF	COALESCENT FAN	NSH
COP	COASTAL PLAIN	NSH
COL	COL	NSH

SOIL RESOURCE DATA SET

RECORD NO. 11

DE NAME: LAND FORM

PG. 5/17

CMD	COPPICE MOUND (DUNE)	NSH
COU	COULEE	NSH
COV	COVE	NSH
CRA	CRATER (VOLCANIC)	NSH
CRT	CREST	TECH. BULLETIN 28 SLOPE COMPONENT THE VERY NARROW COMMONLY LINEAR TOP OF AN EROSIONAL RIDGE, HILL, MOUNTAIN. CF., SUMMIT
CRF	CREVASSE FILLING	NSH
CES	CUESTA	6602 SOUTHWEST; A SLOPING PLAIN ESPECIALLY WITH THE UPPER END AT THE CREST OF A CLIFF; A HILL OR RIDGE WITH A STEEP FACE ON ONE SIDE AND GENTLE SLOPE ON THE OTHER. (WEBSTER)
DEL	DELTA	NSH
DIS	DIP SLOPE	NSH
DIC	DISCONTINUITY	NSH
DIV	DIVIDE	NSH
DOM	DOME	6602 A ROUNDED MOUNTAINTOP OR VAST MOUND OF ICE. (WEBSTER)
DRA	DRAW	NSH
DRM	DRUMLIN	NSH
DMR	DRY MEADOW RIPARIAN	
DUN	DUNE	NSH
DUB	DUNE (BARCHAN)	NSH
DUP	DUNE (PARNA)	NSH
DUS	DUNE (SEIF)	NSH
DUT	DUNE (TRANSVERSE)	NSH
ERD	EARTH DIKE	NSH
ENR	ENDOGENIC ROCK	
EPS	EPHEMERAL STREAM	NSH
ESC	ESCARPMENT	NSH
ESK	ESKER	NSH
EST	ESTUARY	NSH
ESF	ESTUARY (FRESHWATER)	NSH

ESI	ESTUARY (INVERSE)	NSH
ESP	ESTUARY (POSITIVE)	NSH
EXR	EXOGENIC ROCK	
FTP	FACETED SPUR	NSH
FAL	FALL LINE	NSH
FAP	FAN APRON	TECH. BULLETIN 28 COMPONENT LANDFORM A SHEET-LIKE MANTLE OF RELATIVELY YOUNG ALLUVIUM COVERING PART OF AN OLDER FAN PIEDMONT (AND OCCASIONALLY ALLUVIAL FAN) SURFACE.
FAC	FAN COLLAR	TECH. BULLETIN 28 COMPONENT LANDFORM A THIN, SHORT, RELATIVELY YOUNG MANTLE OF ALLUVIUM ALONG THE UPPER MARGIN OF A MAJOR ALLUVIAL FAN AT A MOUNTAIN FRONT. NOT A COMMON LANDFORM.
FAN	FAN PIEDMONT	TECH. BULLETIN 28 MAJOR LANDFORM THE MOST EXTENSIVE MAJOR LANDFORM OF MOST PIEDMONT SLOPES, FORMED BY THE LATERAL COALESCENCE OF MOUNTAIN-FRONT ALLUVIAL FANS DOWNSLOPE INTO ONE GENERALLY SMOOTH SLOPE WITHOUT THE TRANSVERSE UNDULATIONS OF THE SEMI-CONICAL ALLUVIAL FANS BY ACCRETION OF FANS APRONS. FAN PIEDMONTS COMMONLY ARE COMPLEXES OF MANY COMPONENT LANDFORMS.
EFR	EROSIONAL FAN REMNANT	TECH. BULLETIN 28 COMPONENT LANDFORM A GENERIC TERM FOR COMPONENT LANDFORMS THAT ARE THE REMAINING PARTS OF VARIOUS DISSECTED OLDER FAN LANDFORMS.
FAS	FAN SKIRT	TECH. BULLETIN 28 MAJOR LANDFORMS COMPRISED OF Laterally COALESCING, SMALL ALLUVIAL FANS THAT ISSUE FROM GULLIES CUT INTO, OR ARE EXTENSIONS OF INSET FANS OF THE FAN PIEDMONT AND THAT MERGE ALONG THEIR TOESLOPES WITH THE BASIN FLOOR. FAN SKIRTS ARE SMOOTH OR ONLY SLIGHTLY DISSECTED AND ORDINARILY DO NOT COMPRISE COMPONENT LANDFORMS.
FAT	FAN TERRACE	NSH
FHT	FAN-HEAD TRENCH	TECH. BULLETIN 28 A RELATIVELY DEEP DRAINAGEWAY ORIGINATING IN A MOUNTAIN VALLEY AND CUT INTO THE APEX OF, AND COMMONLY ACROSS AN ALLUVIAL FAN.
FAU	FAULT	NSH
FEN	FEN	NSH

FRD FIORD

FJD FJORD

NSH

FLT FLAT

NSH

FPL FLOODPLAIN

6602

A FLAT OR NEARLY FLAT SURFACE THAT MAY BE SUBMERGED BY FLOODWATERS AND A PLAIN BUILT UP OR IN THE PROCESS OF BEING BUILT UP OR IN THE PROCESS OF BEING BUILT UP BY STREAM DEPOSITION. (WEBSTER)

FPP FLOODPLAIN PLAYA

TECH. BULLETIN 28

COMPONENT LANDFORMS

A VERY GRADIENT, BROAD, BARREN, AXIAL-STREAM CHANNEL SEGMENTS IN AN INTERMONTANE BASIN. IT FLOODS BROADLY AND SHALLOWLY AND IS VENEERED WITH BARREN FINE TEXTURED SEDIMENTS THAT CRUST. COMMONLY A FLOODPLAIN PLAYA IS SEGMENTED BY TRANSVERSE, NARROW BANDS OF VEGETATION, AND IT MAY ALTERNATE WITH ORDINARY, NARROW OR BRAIDED CHANNEL SEGMENTS.

FPS FLOOD-PLAIN SPLAY

NSH

FLD FLOODWALL

NSH

FLR FLOOR

NSH

FLV FLUVE

TECH. BULLETIN 28

A LINEAR DEPRESSION, RILL, GULLY, ARROYO, CANYON, VALLEY, ETC., OF ANY SIZE, ALONG WHICH FLOWS AT SOMETIME A DRAINAGEWAY.

FOD FOLD

NSH

FOT FOOTHILLS

NSH

FTS FOOTSLOPE

TECH. BULLETIN 28

SLOPE COMPONENT

THE RELATIVELY GENTLE SLOPING, SLIGHTLY CONCAVE SLOPE COMPONENT OF AN EROSIONAL SLOPE THAT IS AT THE BASE OF THE BACK SLOPE COMPONENT; SYN. PEDIMENT.

FOR FOREDUNE

NSH

FRF FREE FACE

NSH

FRP FROST POLYGONS

NSH

GES GEOMORPHIC SURFACE

NSH

GIL GILGAI

NSH

GLA GLACIER

GCR GLACIAL CIRQUE

6602

GMR	GLACIAL MORaine	6602 THE RIDGE-LIKE ACCUMULATION OF SEDIMENTS DEPOSITED BY A GLACIER.
GOW	GLACIAL OUTWASH	6602 THE STRATIFIED MATERIAL DEPOSITED BY STREAMS OF MELT-WATER FLOWING AWAY FROM A GLACIER.
GTO	GLACIAL TROUGH	6602
GOR	GORGE	NSH
GRS	GRAVITY SLOPE	NSH
GRU	GRUS	NSH
GUC	GULCH	NSH
GUL	GULLY	GULLIES, ARROYOS, WADIS, AND GULCHES 6602 A MINIATURE VALLEY OR GORGE WORN IN THE EARTH ORIGINALLY BY RUNNING WATER THROUGH WHICH WATER USUALLY RUNS ONLY AFTER RAINS. (WEBSTER)
HAV	HANGING VALLEY	NSH
HED	HEAD	NSH
HDL	HEADLAND (COAST)	NSH
HDS	HEADSLOPE	NSH
HIL	HILL	6602 A NATURAL ELEVATION OF LAND OF LOCAL ARE A AND WELL-DEFINED OUTLINE; A MORE OR LESS ROUNDED ELEVATION AS CONTRASTED WITH A PEAKED OR PRECIPITOUS ONE. (WEBSTER)
HIS	HILL SIDE	NSH
HLS	HILL SLOPE	NSH
HIZ	HILZ	NSH
HBK	HOGBACK	A RIDGE OF LAND FORMED BY THE OUTCROPPING EDGES OF TILTED STRATA: A RIDGE WITH A SHARP SUMMIT AND STEEPLY SLOPING SIDES
HOM	HOMOCLINAL	NSH
HOR	HORN	NSH
HUM	HUMMOCK	NSH
INS	INSELBERG	NSH

INF INSET FAN

TECH. BULLETIN 28
COMPONENT LANDFORM
A SPECIAL CASE OF THE FLOODPLAIN OF A COMMONLY
EPHEMERAL STREAM THAT IS CONFINED BETWEEN FAN
REMNANTS, BALLENAS, OR CLOSELY OPPOSED FAN
TOESLOPES.

IDF INTERDUNE FLAT

TECH. BULLETIN 28
LANDFORM ELEMENT
FLAT AREAS OF EXPOSED BASIN-FLOOR OR PIEDMONT
SLOPE ALLUVIUM BETWEEN CLOSELY SPACED LARGE SAND
DUNES.

IVD INTERFAN-VALLEY
DRAINAGE

TECH. BULLETIN 28
A DRAINAGEWAY OR DRAINAGE SYSTEM RISING AS ONFAN
DRAINAGEWAYS THAT COMBINE TO FORM A TRUNK
DRAINAGEWAY DOWN THE AXIS OF AN INTERFAN VALLEY,
I.E., DOWN THE TOPOGRAPHIC LOW BETWEEN TWO
ADJACENT MOUNTAIN-FRONT ALLUVIAL FANS.

ITF INTERFLUVE

THE ELEVATED AREA BETWEEN TWO FLUVES
(DRAINAGEWAYS) THAT SHEDS WATER TO THEM.

IPR INTERMITTENT PLY

INTERMITTENT PLAYA RIPARIAN

IST INTERMITTENT STREAM

NSH

ISR INTERMITTENT STR

INTERMITTENT STREAM RIPARIAN

INB INTERMONTANE BASIN

TECH. BULLETIN 28
A GENERIC TERM FOR WIDE STRUCTURED DEPRESSIONS
BETWEEN MOUNTAIN RANGES THAT ARE PARTLY FILLED
WITH ALLUVIUM AND ARE CALLED "VALLEYS" IN THE
VERNACULAR. INTERMONTANE BASINS MAY BE BOLSON
OR SEMI-BOLSON IN CHARACTER.

ITB INTRAMONTANE BASIN

TECH. BULLETIN 28
A RELATIVELY SMALL STRUCTURAL DEPRESSION WITHIN
A MOUNTAIN RANGE THAT IS PARTLY FILLED WITH
ALLUVIUM AND COMMONLY DRAINS EXTERNALLY THROUGH
A NARROWER MOUNTAIN VALLEY.

ISL ISLAND

JIT JOINT

NSH

JOK JOKULHLAUP

NSH

KAM KAME

NSH

KAT KAME TERRACE

NSH

KRS KARST

6602

KET KETTLE

NSH

KIP KICKPOINT

NSH

KNB KNOB

NSH

KNO KNOLL

NSH

LCP	LACUSTRINE PLAIN	6602	A FLAT OR NEARLY FLAT SURFACE
LAG	LAGOON	TECH. BULLETIN 28 COMPONENT LANDFORM	A METAPHORICAL TERM FOR THE PONDING AREA BEHIND A PLEISTOCENE OFFSHORE OR BARRIER BAR.
LAP	LAKE PLAIN	TECH. BULLETIN 28 MAJOR LANDFORM	A MAJOR LANDFORM OF SOME BOLSON FLOORS THAT IS BUILT OF THE NEARLY LEVEL, FINE TEXTURED, STRATIFIED BOTTOM SEDIMENTS OF A PLEISTOCENE LAKE.
LPT	LAKE-PLAIN TERRACE	TECH. BULLETIN 28 COMPONENT LANDFORM	A SOMEWHAT ELEVATED PORTION AND COMPONENT LANDFORM OF A LAKE PLAIN.
OLR	LAKE RIPARIAN	6602	
LAN	LANDFORM	NSH	
LAE	LANDFORM ELEMENT	NSH	
LAS	LANDSCAPE	NSH	
LSF	LAND-SURFACE FORM	NSH	
MAN	LAVA FLOW-NONVEGETATED		
MAV	LAVA FLOW-VEGETATED		
LAV	LAVA PLAIN	NSH	
LVP	LAVA PLATEAU	NSH	
LED	LEDGE	NSH	
LES	LEVEE (STREAMS)	NSH	
LEM	LEVEE (MUDFLOW)	NSH	
LEN	LEVEE (NATURAL)	NSH	
LLM	LOWLAND LOW MARSH	NSH	
MAT	MARINE TERRACE	NSH	
MAR	MARSH	NSH	
MED	MEADOW	NSH	
MMC	MEANDER, MEANDERING CHANNEL	NSH	
MAB	MEANDER BELT	NSH	
MAS	MEANDER SCROLL	NSH	

MSA MESA

6602

A USUALLY ISOLATED HILL OR MOUNTAIN HAVING ABRUPT OR STEEPLY SLOPING SIDES AND A LEVEL TOP THAT IS COMPOSED OF A RESISTANT NEARLY HORIZONTAL STRATUM OF ROCK AND IS USUALLY GREATER IN AREA THAN THAT OF A BUTTE: A SMALL ISOLATED PLATEAU. (WEBSTER)

MES METASTABLE SLOPE NSH

MIM MIMA MOUND NSH

MCK MONADNOCK NSH

MOC MONOCLINE NSH

MOR MORaine (DEAD ICE) NSH

MOD MORaine, DISINTEGRATION NSH

MOE MORaine (END) NSH

MGG MORaine (GLAC. GEOL.) NSH

MOG MORaine (GROUND) NSH

MRL MORaine (LATERAL) NSH

MRR MORaine (RECESSIONAL) NSH

MRT MORaine (TERMINAL) NSH

MND MOUND NSH

MTN MOUNTAIN MOUNTAINS AND DEEPLY DISSECTED PLATEAUS

6602

A STEEP ELEVATION WITH A RESTRICTED SUMMIT AREA PROJECTING 1000 FEET OR MORE ABOVE THE SURROUNDING LAND SURFACE. (WEBSTER)

MFH MOUNTAIN FOOTHILLS SOIL FR WEATHERED COLLUVIAL/RESIDUAL BED ROCK ON LOW HILL AT BASE OF MOUNTAIN

MVF MOUNTAIN-VALLEY FAN

TECH. BULLETIN 28

MAJOR LANDFORM

A MAJOR LANDFORM CREATED BY ALLUVIAL FILLING OF A MOUNTAIN VALLEY OR INTRAMONTANE BASIN BY COALESCENT VALLEY-SIDESLOPE-FANS WHOSE TOESLOPE MEET FROM EITHER SIDE OF THE VALLEY ALONG AN AXIAL DRAINAGEWAY. IT IS AN EXTENSION OF THE UPPER PIEDMONT SLOPE INTO MOUNTAIN VALLEYS.

MDF MUD FLAT NSH

MUL MULL NSH

MSK MUSKEG NSH

NAL NATURAL LEVEE NSH

NBR	NONBURIED REMNANT	TECH. BULLETIN 28 COMPONENT LANDFORM A GENERIC TERM FOR COMPONENT LANDFORMS THAT ARE REMAINING PARTS OF VARIOUS OLDER FAN LANDFORMS THAT ARE PARTIALLY BURIED.
NOS	NOSE SLOPE	NSH
NAT	NUNATAK	NSH
OUC	OUTCROP	NSH
OUW	OUTWASH	NSH
OVT	OVERTHRUST	NSH
AXB	AXBOW	NSH
AXL	AXBOW LAKE	NSH
PAD	PARNA DUNE	TECH. BULLETIN 28 COMPONENT LANDFORM AN EOLIAN DUNE BUILT OF SAND SIZE AGGREGATES OF CLAYEY MATERIAL THAT COMMONLY OCCURS LEEWARD OF A PLAYA.
PAT	PATINA	NSH
PTG	PATTERNED GROUND	NSH
PEA	PEAK	NSH
PED	PEDIMENT	6602 A BROAD, GENTLY SLOPING BEDROCK SURFACE WITH LOW RELIEF THAT IS SITUATED AT THE FOOT OF A MUCH STEEPER MOUNTAIN SLOPE IN AN ARID OR SEMI-ARID REGION; IS USUALLY COVERED WITH A THIN VENEER OF ALLUVIAL GRAVEL AND SAND AND IS AN EROSIONAL SURFACE IN CONTRAST TO A DEPOSITIONAL PIEDMONT PLAIN. (WEBSTER)
PYB	PHYSIOGRAPHIC PROVINCE	NSH
PEP	PENEPLAIN OR PLATEAU	6602 AN EROSION SURFACE OF CONSIDERABLE AREA AND SLIGHT RELIEF-ALSO CALLED ENDRUMPF. (WEBSTER)
PMS	PEDIMONT	TECH. BULLETIN 28 MAJOR PHYSIOGRAPHIC PART A MAJOR PHYSIOGRAPHIC PART OF AN INTERMONTANE BASIN THAT COMPRISES ALL OF THE CONSTRUCTIONAL AND EROSIONAL, MAJOR AND COMPONENT LANDFORMS FROM THE BASIN FLOOR TO THE MOUNTAIN FRONT AND ON INTO ALLUVIUM-FILLED MOUNTAIN VALLEYS.
PMT	PIEDMONT	6602 LYING OR FORMED AT THE BASE OF MOUNTAIN. (WEBSTER)

PER	PEDIMONT REMNANT	TECH. BULLETIN 28 COMPONENT LANDFORM A COMPONENT OF A DISSECTED PEDIMENT BY DRAINAGE-WAYS WHICH WERE NOT AGGRADED BEFORE BEING GULLIED BY A NEW EROSION CYCLE. THESE ARE DISTINGUISHED BY THEIR GENTLE SUMMIT SLOPE TOWARD THE INCISED DRAINAGEWAY AS COMPARED WITH THE NEARLY LEVEL TRANSVERSE SECTION OF THE SUMMIT OF AN INSET-FAN REMNANT.
PIS	PIEDMONT SLOPE	NSH
PIN	PINGO	
PLA	PLAIN	NSH
PEP	PENEPLAIN OR PLATEAU	6602 AN EROSION SURFACE OF CONSIDERABLE AREA AND SLIGHT RELIEF-ALSO CALLED ENDRUMPF. (WEBSTER)
PYA	PLAYA	6602 AN UNDRAINED DESERT BASIN THAT BECOMES AT TIMES A SHALLOW LAKE ON WHICH EVAPORATION MAY LEAVE A DEPOSIT OF SALT OR GYPSUM. (WEBSTER) THE KEY TO A PLAYA IS ITS LACK OF VEGETATION.
POC	POCOSIN	NSH
PTB	POINT BAR	NSH
PTH	POTHOLE	NSH
RAB	RAISED BOG	NSH
RAV	RAVINE	LARGER THAN GULLY, SMALLER THAN VALLEY
RAF	RECENT ALLUVIAL FLAT	TECH. BULLETIN 28 COMPONENT LANDFORM A COMPONENT LANDFORM COMPRISED OF A HOLOCENE AGE PORTIONS OF AN ALLUVIAL FLAT. THIS INCLUDES MODERN SURFACES, SUCH AS THOSE WITH EVIDENCE OF CURRENT SEDIMENT DEPOSITION. IT IS AN ANALOGUE OF THE FAN APRON AND FAN SKIRT.
REE	REEF	NSH
REF	RELICT ALLUVIAL FLAT	TECH. BULLETIN 28 COMPONENT LANDFORM THIS COMPONENT LANDFORM IS COMPRISED OF PLEISTOCENE AGE PORTIONS OF AN ALLUVIAL FLAT THAT OCCUR EITHER WHERE HOLOCENE SEDIMENTS HAVE BEEN CONFINED TO SHALLOW DRAINAGE-WAYS, ON THEIR WAY ACROSS THE FLAT, OR WHERE POST PLUVIAL DISCHARGE OF SEDIMENT ONTO A BASIN FLOOR HAS BEEN TOO LITTLE TO MANTLE THE ENTIRE PLEISTOCENE ALLUVIAL FLAT.
REL	RELIEF	NSH

ORR	RESERVOIR RIPAR.	RESERVOIR RIPARIAN
RDG	RIDGE	6602 RANGE OF HILLS OR MOUNTAINS OR THE UPPER PART OF SUCH A RANGE; AN EXTENDED ELEVATION BETWEEN VALLEYS. (WEBSTER)
RIS	RISE	NSH
ROP	ROCK PEDIMENT	TECH. BULLETIN 28 MAJOR LANDFORM A SPECIFIC NAME FOR A PEDIMENT WHICH IS CUT FROM BEDROCK.
RPR	ROCK-PEDIMENT REMNANT	TECH. BULLETIN 28 LANDFORM ELEMENT A ROCK PEDIMENT WHICH HAS BEEN DISSECTED OR PARTIALLY BURIED.
RUP	ROLLING UPLANDS	
SDL	SADDLE	A RIDGE CONNECTING TWO HIGHER ELEVATIONS; A LOW POINT IN THE CREST LINE OF A RIDGE. (WEBSTER)
SMA	SALT MARSH	NSH
SWR	SALT WATER RIPARIAN	
SDN	SAND DUNE	SAND DUNES AND SAND HILLS 6602 A HILL OR RIDGE OF SAND PILED UP BY THE WIND COMMONLY FOUND ALONG SHORES, ALONG SOME RIVER VALLEYS, AND GENERALLY WHERE THERE IS DRY SURFACE SAND DURING SOME PART OF THE YEAR. (WEBSTER)
		TECH. BULLETIN 28 COMPONENT LANDFORM AN EOLIAN DUNE AND LANDFORM ELEMENT BUILT OF SAND SIZE MINERAL PARTICLES. DUNES COMMONLY OCCUR ON THE LEEWARD SIDE OF A
SDS	SAND SHEET	TECH. BULLETIN 28 MAJOR LANDFORM CONTINUOUS, SHEETS OF SAND, SEVERAL FEET THICK, WHICH MAY HAVE UNDULATING SURFACES. THE SHEETS HAVE BEEN SPREAD DOWNWIND ACROSS ALLUVIAL FLATS, ONTO AND OVER LOW MOUNTAINS (E.G., DESERT VALLEY AND LAHONTAN DESERT, NEVADA, AND DALE LAKE, MOJAVE DESERT, CALIFORNIA). THEY MAY ALSO HAVE BEEN BLOWN INTO DUNES (THE DUNE FIELDS OF SOME WRITES).
SCB	SCABLAND	NSH
SRP	SCARP	6602 A LINE OF CLIFFS PRODUCED BY FAULTING OR EROSION. FAULT SCRAP-A CLIFF OR ESCARPMENT DIRECTLY RESULTING FROM AN UPLIFT ALONG ONE SIDE OF A FAULT. (WEBSTER)

SCU	SCOUR	NSH
SUL	SEDIMENTARY UPLANDS	SOIL FROM WEATHERED SEDIMENTARY BEDROCK
SBF	SEMI-BOLSON FLOOR	TECH. BULLETIN 28 MAJOR PHYSIOGRAPHIC PART A SPECIFIC IDENTIFICATION FOR THE FLOOR OF A SEMI-BOLSON AS COMPARED WITH A BOLSON FLOOR.
SCL	SEA CLIFF	
SEB	SEMI-BOLSON	TECH. BULLETIN 28 A SPECIFIC IDENTIFICATION FOR AN EXTERNALLY DRAINED INTERMONTANE BASIN.
SHT	SHEEP TRACKS	NSH
SHL	SHOAL	NSH
SHD	SHOULDER	TECH. BULLETIN 28 SLOPE COMPONENT THE CONVEX SLOPE COMPONENT OF THE TOP OF AN EROSIONAL SIDESLOPE.
SIS	SIDESLOPE	TECH. BULLETIN 28 LANDFORM ELEMENT THE EROSIONAL SLOPE AROUND THE SIDES OF AN EROSIONAL FAN REMNANT, HILL, BALLENA, MOUNTAIN, ETC., THAT IS COMPOSED OF SHOULDER, BACKSLOPE, FOOTSLOPE, AND PERHAPS TOESLOPE COMPONENTS.
SNK	SINKHOLE	6602
SGH	SLOUGH	NSH
SFL	SOLIFLUCTION LOBE	NSH
SLR	SOIL RIPPLES	NSH
SPG	SORTED POLYGON	NSH
SPY	SPLAY	NSH
SPT	SPIT	
SPR	SPUR	NSH
STT	STEPTOE	NSH
STN	STONE NET	NSH
STP	STONE POLYGON	NSH
STA	STRATH TERRACE	NSH
OSR	STREAM RIPARIAN	6602

SRT	STREAM TERRACE	TECH. BULLETIN 28 COMPONENT LANDFORMS A TRANSVERSELY LEVEL EROSIONAL REMNANT OF A FORMER AXIAL STREAM OR MAJOR DESERT STREAM FLOODPLAIN THAT SLOPES IN THE SAME DIRECTION AS THE ADJACENT, INCISED STREAM AND IS UNDERLAIN BY WELL SORTED AND STRATIFIED SAND AND GRAVEL OR BY LOAMY OR CLAYEY SEDIMENTS. NOT A COMMON LANDFORM.
SPE	STRUCTURAL BACK SLOPE	NSH
SLB	STRUCTURAL BENCH (OR BENCH)	NSH
SUR	SUB RIPARIAN	6602
SBS	SUBSIDENCE	6602 AREA WITH SUBSIDENCE FROM SUBSURFACE MINING
SUM	SUMMIT	TECH. BULLETIN 28 LANDFORM ELEMENT THE FLATTISH TOP OF AN EROSIONAL FAN REMNANT, HILL, MOUNTAIN, ETC. THE TERM IS USED FOR BOTH A LANDFORM ELEMENT AND A SLOPE COMPONENT.
SWL	SWALE	
SWP	SWAMP	NSH
SWZ	SWASH ZONE	NSH
SAW	SWELL-AND-SWALE	NSH
SYN	SYNCLINE	NSH
TBL	TABLELAND	NSH
TNK	TANK	NSH
TRC	TERRACE	6602 A LEVEL AND ORDINARILY RATHER NARROW PLAIN, USUALLY WITH A STEEP FRONT BORDERING A RIVER, A LAKE, OR THE SEA; A TOPOGRAPHIC BENCH. (WEBSTER)
TRT	TERRACETTES	NSH
TKT	THERMOKARST	NSH
TKL	THERMOKARST LAKE	NSH
TIF	TIDAL FLAT	NSH
TIP	TILL PLAIN	NSH
TES	TOE SLOPE	NSH
TOP	TOPOGRAPHY	NSH
TRG	TROUGH (GEOMORPH.)	NSH

TRE	TROUGH END	NSH
TRV	TROUGH VALLEY	NSH
TRW	TROUGH WALL	NSH
UNF	UNCONFORMITY	NSH
UPD	UPLAND (GEOMORPHOLOGY)	NSH
UPL	UPLANDS	HIGH LAND ESPECIALLY FAR FROM THE SEA; PLATEAU: GROUND ELEVATED ABOVE THE LOWLANDS ALONG RIVERS OR BETWEEN HILLS. (WEBSTER) A COMBINATION OF BENCHES, MESAS AND RIDGES
UPF	UPLIFT	NSH
UPR	UPTHRUST	NSH
VAL	VALLEY	AN ELONGATED DEPRESSION OF THE EARTH'S SURFACE COMMONLY SITUATED BETWEEN RANGES OF HILLS OR MOUNTAINS AND OFTEN COMPRISING A DRAINAGE AREA AND AN AREA OF GENERALLY FLAT LAND EXTENDING MANY MILES INLAND AND DRAINED OR WATERED BY A LARGE RIVER AND ITS TRIBUTARY STREAMS. (WEBSTER) AN ELONGATED DEPRESSION CUT BY STREAM EROSION AND ASSOCIATED WATER EROSION ON ITS SIDESLOPES (STREAM VALLEY). ALSO USED IN THE VERNACULAR FOR INTERMONTANE AND INTERMONTANE BASINS.
VBS	VALLEY-BORDER SURFACES	NSH
VYF	VALLEY FLAT (FLOOD-PLAIN LANDFORM)	NSH
VAF	VALLEY FLOOR	NSH
VAT	VALLEY TRAIN	NSH
VYS	VALLEY SIDE (VALLEY WALL)	NSH
VOC	VOLCANIC CONE	NSH
WAH	WASH (DRY WASH)	NSH
WBT	WAVE-BUILT TERRACE	NSH
WCP	WAVE-CUT PLATFORM	NSH
WCT	WAVE-CUT TERRACE	NSH
WHR	WET MEADOW RIPAR.	WET MEADOW RIPARIAN
WDG	WIND GAP	NSH

Data Set Name: SOIL RESOURCE:

RECORD : 12

Field Length:1: Authority:FLPMA NCSS:

Data Element Name: LAND RESOURCE REGION:

Source of Information: AG. HDBK #296:

Form:NONE:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D: Graphics:Y: Security:PUB:
N - Not Automated Y - Will be in GIS PUB - Public, no restrictions
L - DPS6 Honeywell N - Will not in GIS IPR - Internal Proprietary
D - DPS870 Honeywell U - Unknown IN - Internal Investigatory
M - Micro Based Sys IOT - Internal Other
P - Prime System
G - Data General O - Other Print this record? :T:

New/RW/Accept:2: 1 - New Element Data Element Number:6538:
2 - Rewrite Previous
3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED Data Category:C: C - CORPORATE
N - No, not developed D - Discretionary

Descriptive Element Name:

Element definition:

:THE ALPHABETIC CODE USED TO IDENTIFY THE BROAD GEOGRAPHIC LAND
:RESOURCE REGION (LLR).

:RELATED TO DATA ELEMENT: MAJOR LAND RESOURCE AREA (MLRA)

Data Standards:

:ONE CHARACTER ALPHABETIC CODE
:VALUES RANGE FROM A TO Y

Codes:

:SEE ATTACHED SHEET FOR 24 CODES

User Fields:

SOIL RESOURCE DATA SET

RECORD NO. 12

DATA ELEMENT NAME: LAND RESOURCE REGION (LRR)

CODES:

A	NORTHWESTERN FOREST, FORAGE, AND SPECIALTY CROP REGION
B	NORTHWESTERN WHEAT AND RANGE REGION
C	CALIFORNIA SUBTROPICAL FRUIT, TRUCK, AND SPECIALTY CROP REGION
D	WESTERN RANGE AND IRRIGATED REGION
E	ROCKY MOUNTAIN RANGE AND FOREST REGION
F	NORTHERN GREAT PLAINS SPRING WHEAT REGION
G	WESTERN GREAT PLAINS RANGE AND IRRIGATED REGION
H	CENTRAL GREAT PLAINS WINTER WHEAT AND RANGE REGION
I	SOUTHWEST PLATEAUS AND PLAINS RANGE AND COTTON REGION
J	SOUTHWESTERN PRAIRIES COTTON AND FORAGE REGION
K	NORTHERN LAKE STATES FOREST AND FORAGE REGION
L	LAKE STATES FRUIT, TRUCK, AND DAIRY REGION
M	CENTRAL FEED GRAINS AND LIVESTOCK REGION
N	EAST AND CENTRAL FARMING AND FOREST REGION
O	MISSISSIPPI DELTA COTTON AND FEED GRAINS REGION
P	SOUTH ATLANTIC AND GULF SLOPE CASH CROPS, FOREST, AND LIVESTOCK REGION
R	NORTHEASTERN FORAGE AND FOREST REGION
S	NORTHERN ATLANTIC SLOPE DIVERSIFIED FARMING REGION
T	ATLANTIC AND GULF COAST LOWLAND FOREST AND CROP REGION
U	FLORIDA SUBTROPICAL FRUIT, TRUCK CROP, AND RANGE REGION
V	HAWAII REGION
W	SOUTHERN ALASKA REGION
X	INTERIOR ALASKA REGION
Y	ARCTIC AND WESTERN ALASKA REGION

Data Set Name: SOIL RESOURCE:

RECORD : 13

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: MAJOR LAND RESOURCE AREA:

Source of Information: AG. HDBK #296:

Form:SOI-5 &232:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2:

1 - New Element

Data Element Number:3927:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE CODE USED TO IDENTIFY THE MAJOR LAND RESOURCE AREA

:(MLRA). MLRA'S ARE GEOGRAPHICALLY ASSOCIATED LAND RESOURCE

:UNITS BASED ON LAND USE, ELEVATION, TOPOGRAPHY, CLIMATE, WATER,

:SOILS, AND POTENTIAL NATURAL VEGETATION.

:RELATED TO DATA ELEMENT: LAND RESOURCE REGION (LRR)

Data Standards:

:ONE TO FOUR CHARACTER ALPHANUMERIC CODE IDENTIFYING A GEOGRAPHIC

:NAME.

:VALUES RANGE FROM 1 TO 182

:SOME DUPLICATE CODE NUMBERS HAVE ALPHABETIC SUB-IDENTIFIERS.

Codes:

:SEE ATTACHED SHEET FOR 204 CODES

:NOTE: THESE CODES NEED TO BE UPDATED BEFORE IMPLEMENTATION

SOURCE: SCS AGRICULTURE HANDBOOK 296, DECEMBER 1981

User Fields:

SOIL RESOURCE DATA SET

RECORD NO. 13

PG. 1/4

DATA ELEMENT NAME: MAJOR LAND RESOURCE AREA (MLRA)

CODES:

- 1 NORTH PACIFIC COAST RANGE, FOOTHILLS, AND VALLEYS
- 2 WILLAMETTE AND PUGET SOUND VALLEYS
- 3 OLYMPIC AND CASCADE MOUNTAINS
- 4 CALIFORNIA COASTAL REDWOOD BELT
- 5 SISKIYOU-TRINITY AREA
- 6 CASCADE MOUNTAINS, EASTERN SLOPE
- 7 COLUMBIA BASIN
- 8 COLUMBIA PLATEAU
- 9 PALOUSE AND NEZ PERCE PRAIRIES
- 10 UPPER SNAKE RIVER LAVA PLAINS AND HILLS
- 11 SNAKE RIVER PLAINS
- 12 LOST RIVER VALLEYS AND MOUNTAINS
- 13 EASTERN IDAHO PLATEAUS
- 14 CENTRAL CALIFORNIA COASTAL VALLEYS
- 15 CENTRAL CALIFORNIA COAST RANGE
- 16 CALIFORNIA DELTA
- 17 SACRAMENTO AND SAN JOAQUIN VALLEYS
- 18 SIERRA NEVADA FOOTHILLS
- 19 SOUTHERN CALIFORNIA COASTAL PLAIN
- 20 SOUTHERN CALIFORNIA MOUNTAINS
- 21 KLAMATH AND SHASTA VALLEYS AND BASINS
- 22 SIERRA NEVADA RANGE
- 23 MALHEUR HIGH PLATEAU
- 24 HUMBOLDT AREA
- 25 OWYHEE HIGH PLATEAU
- 26 CARSON BASIN AND MOUNTAINS
- 27 FALLON-LOVELOCK AREA
- 28A GREAT SALT LAKE AREA
- 28B CENTRAL NEVADA BASIN AND RANGE
- 29 SOUTHERN NEVADA BASIN AND RANGE
- 30 SONORAN BASIN AND RANGE
- 31 IMPERIAL VALLEY
- 32 NORTHERN INTERMOUNTAIN DESERTIC BASINS
- 33 SEMIARID ROCKY MOUNTAINS
- 34 CENTRAL DESERTIC BASINS, MOUNTAINS, AND PLATEAUS
- 35 COLORADO AND GREEN RIVERS PLATEAUS
- 36 NEW MEXICO AND ARIZONA PLATEAUS AND MESAS
- 37 SAN JUAN RIVER VALLEY MESAS AND PLATEAUS
- 39 ARIZONA AND NEW MEXICO MOUNTAINS
- 40 CENTRAL ARIZONA BASIN AND RANGE
- 41 SOUTHEASTERN ARIZONA BASIN AND RANGE
- 42 SOUTHERN DESERTIC BASINS, PLAINS, AND MOUNTAINS
- 43 NORTHERN ROCKY MOUNTAINS
- 44 NORTHERN ROCKY MOUNTAIN VALLEYS
- 46 NORTHERN ROCKY MOUNTAIN FOOTHILLS
- 47 WASATCH AND UINTA MOUNTAINS
- 48A SOUTHERN ROCKY MOUNTAINS
- 48B SOUTHERN ROCKY MOUNTAIN PARKS
- 49 SOUTHERN ROCKY MOUNTAIN FOOTHILLS
- 51 HIGH INTERMOUNTAIN VALLEYS

SOIL RESOURCE DATA SET

RECORD NO. 13

PG. 2/4

DATA ELEMENT NAME: MAJOR LAND RESOURCE AREA (MLRA)

CODES:

- 52 BROWN GLACIATED PLAIN
- 53A NORTHERN DARK BROWN GLACIATED PLAINS
- 53B CENTRAL DARK BROWN GLACIATED PLAINS
- 53C SOUTHERN DARK BROWN GLACIATED PLAINS
- 54 ROLLING SOFT SHALE PLAIN
- 55A NORTHERN BLACK GLACIATED PLAINS
- 55B CENTRAL BLACK GLACIATED PLAINS
- 55C SOUTHERN BLACK GLACIATED PLAINS
- 56 RED RIVER VALLEY OF THE NORTH
- 57 NORTHERN MINNESOTA GRAY DRIFT
- 58A NORTHERN ROLLING HIGH PLAINS, NORTHERN PART
- 58B NORTHERN ROLLING HIGH PLAINS, SOUTHERN PART
- 58C NORTHERN ROLLING HIGH PLAINS, NORTHEASTERN PART
- 58D NORTHERN ROLLING HIGH PLAINS, EASTERN PART
- 60A PIERRE SHALE PLAINS AND BADLANDS
- 60B PIERRE SHALE PLAINS, NORTHERN PART
- 61 BLACK HILLS FOOT SLOPES
- 62 BLACK HILLS
- 63A NORTHERN ROLLING PIERRE SHALE PLAINS
- 63B SOUTHERN ROLLING PIERRE SHALE PLAINS
- 64 MIXED SANDY AND SILTY TABLELAND
- 65 NEBRASKA SAND HILLS
- 66 DAKOTA-NEBRASKA ERODED TABLELAND
- 67 CENTRAL HIGH PLAINS
- 69 UPPER ARKANSAS VALLEY ROLLING PLAINS
- 70 PECOS-CANADIAN PLAINS AND VALLEYS
- 71 CENTRAL NEBRASKA LOESS HILLS
- 72 CENTRAL HIGH TABLELAND
- 73 ROLLING PLAINS AND BREAKS
- 74 CENTRAL KANSAS SANDSTONE HILLS
- 75 CENTRAL LOESS PLAINS
- 76 BLUESTEM HILLS
- 77 SOUTHERN HIGH PLAINS
- 78 CENTRAL ROLLING RED PLAINS
- 79 GREAT BEND SAND PLAINS
- 80A CENTRAL ROLLING RED PRAIRIES
- 80B TEXAS NORTH-CENTRAL PRAIRIES
- 81 EDWARDS PLATEAU
- 82 TEXAS CENTRAL BASIN
- 83A NORTHERN RIO GRANDE PLAIN
- 83B WESTERN RIO GRANDE PLAIN
- 83C CENTRAL RIO GRANDE PLAIN
- 83D LOWER RIO GRANDE VALLEY
- 84A CROSS TIMBERS
- 84B WEST CROSS TIMBERS
- 84C EAST CROSS TIMBERS
- 85 GRAND PRAIRIE
- 86 TEXAS BLACKLAND PRAIRIE
- 87 TEXAS CLAYPAN AREA
- 88 NORTHERN MINNESOTA GLACIAL LAKE BASINS
- 90 CENTRAL WISCONSIN AND MINNESOTA THIN LOESS AND TILL
- 91 WISCONSIN AND MINNESOTA SANDY OUTWASH
- 92 SUPERIOR LAKE PLAIN
- 93 SUPERIOR STONY AND ROCKY LOAMY PLAINS AND HILLS
- 94A NORTHERN MICHIGAN AND WISCONSIN SANDY DRIFT
- 94B MICHIGAN EASTERN UPPER PENINSULA SANDY DRIFT

SOIL RESOURCE DATA SET

RECORD NO. 13

PG. 3/4

DATA ELEMENT NAME: MAJOR LAND RESOURCE AREA (MLRA)

CODES:

- 95A NORTHEASTERN WISCONSIN DRIFT PLAIN
- 95B SOUTHERN WISCONSIN AND NORTHERN ILLINOIS DRIFT PLAIN
- 96 WESTERN MICHIGAN AND NORTHEASTERN WISCONSIN FRUIT BELT
- 97 SOUTHWESTERN MICHIGAN FRUIT AND TRUCK BELT
- 98 SOUTHERN MICHIGAN AND NORTHERN INDIANA DRIFT PLAIN
- 99 ERIE-HURON LAKE PLAIN
- 100 ERIE FRUIT AND TRUCK AREA
- 101 ONTARIO PLAIN AND FINGER LAKES REGION
- 102A ROLLING TILL PRAIRIE
- 102B LOESS UPLANDS AND TILL PLAINS
- 103 CENTRAL IOWA AND MINNESOTA TILL PRAIRIES
- 104 EASTERN IOWA AND MINNESOTA TILL PRAIRIES
- 105 NORTHERN MISSISSIPPI VALLEY LOESS HILLS
- 106 NEBRASKA AND KANSAS LOESS-DRIFT HILLS
- 107 IOWA AND MISSOURI DEEP LOESS HILLS
- 108 ILLINOIS AND IOWA DEEP LOESS AND DRIFT
- 109 IOWA AND MISSOURI HEAVY TILL PLAIN
- 110 NORTHERN ILLINOIS AND INDIANA HEAVY TILL PLAIN
- 111 INDIANA AND OHIO TILL PLAIN
- 112 CHEROKEE PRAIRIES
- 113 CENTRAL CLAYPAN AREAS
- 114 SOUTHERN ILLINOIS AND INDIANA THIN LOESS AND TILL PLAIN
- 115 CENTRAL MISSISSIPPI VALLEY WOODED SLOPES
- 116A OZARK HIGHLAND
- 116B OZARK BORDER
- 117 BOSTON MOUNTAINS
- 118 ARKANSAS VALLEY AND RIDGES
- 119 OUACHITA MOUNTAINS
- 120 KENTUCKY AND INDIANA SANDSTONE AND SHALE HILLS AND VALLEYS
- 121 KENTUCKY BLUEGRASS
- 122 HIGHLAND RIM AND PENNYROYAL
- 123 NASHVILLE BASIN
- 124 WESTERN ALLEGHENY PLATEAU
- 125 CUMBERLAND PLATEAU AND MOUNTAINS
- 126 CENTRAL ALLEGHENY PLATEAU
- 127 EASTERN ALLEGHENY PLATEAU AND MOUNTAINS
- 128 SOUTHERN APPALACHIAN RIDGES AND VALLEYS
- 129 SAND MOUNTAIN
- 130 BLUE RIDGE
- 131 SOUTHERN MISSISSIPPI VALLEY ALLUVIUM
- 133A SOUTHERN COASTAL PLAIN
- 133B WESTERN COASTAL PLAIN
- 134 SOUTHERN MISSISSIPPI VALLEY SILTY UPLANDS
- 135 ALABAMA, MISSISSIPPI, AND ARKANSAS BLACKLAND PRAIRIE
- 136 SOUTHERN PIEDMONT
- 137 CAROLINA AND GEORGIA SAND HILLS
- 138 NORTH-CENTRAL FLORIDA RIDGE
- 139 EASTERN OHIO TILL PLAIN
- 140 GLACIATED ALLEGHENY PLATEAU AND CATSKILL MOUNTAINS
- 141 TUGHILL PLATEAU
- 142 ST. LAWRENCE-CHAMPLAIN PLAIN
- 143 NORTHEASTERN MOUNTAINS
- 144A NEW ENGLAND AND EASTERN NEW YORK UPLAND, SOUTHERN PART
- 144B NEW ENGLAND AND EASTERN NEW YORK UPLAND, NORTHERN PART
- 145 CONNECTICUT VALLEY
- 146 AROOSTOOK AREA

SOIL RESOURCE DATA SET

RECORD NO. 13

PG. 4/4

DATA ELEMENT NAME: MAJOR LAND RESOURCE AREA (MLRA)

CODES:

147	NORTHERN APPALACHIAN RIDGES AND VALLEYS
148	NORTHERN PIEDMONT
149A	NORTHERN COASTAL PLAIN
149B	LONG ISLAND-CAPE COD COASTAL LOWLAND
150A	GULF COAST PRAIRIES
150B	GULF COAST SALINE PRAIRIES
151	GULF COAST MARSH
152A	EASTERN GULF COAST FLATWOODS
152B	WESTERN GULF COAST FLATWOODS
153A	ATLANTIC COAST FLATWOODS
153B	TIDEWATER AREA
153C	MID-ATLANTIC COASTAL PLAIN
154	SOUTH-CENTRAL FLORIDA RIDGE
155	SOUTHERN FLORIDA FLATWOODS
156A	FLORIDA EVERGLADES AND ASSOCIATED AREAS
156B	SOUTHERN FLORIDA LOWLANDS
157	ARID AND SEMIARID LOW MOUNTAIN SLOPES
158	SEMIARID AND SUBHUMID LOW MOUNTAIN SLOPES
159	HUMID AND VERY HUMID LOW AND INTERMEDIATE MOUNTAIN SLOPES
160	SUBHUMID AND HUMID INTERMEDIATE AND HIGH MOUNTAIN SLOPES
161	LAVA FLOWS AND ROCK OUTCROPS
162	VERY HUMID AREAS ON EAST AND WEST MAUI MOUNTAINS, KOHALA MOUNTAINS, AND MOUNT WAI'ALEALE
163	ALLUVIAL FANS AND COASTAL PLAINS
164	ROUGH MOUNTAINOUS LANDS
165	SUBHUMID INTERMEDIATE MOUNTAIN SLOPES
166	VERY STONY LAND AND ROCK LAND
167	HUMID LOW AND INTERMEDIATE MOUNTAIN SLOPES
168	SOUTHEASTERN ALASKA
169	SOUTH-CENTRAL ALASKA MOUNTAINS
170	COOK INLET-SUSITNA LOWLAND
171	ALASKA PENINSULA AND SOUTHWESTERN ISLANDS
172	COPPER RIVER PLATEAU
173	ALASKA RANGE
174	INTERIOR ALASKA LOWLANDS
175	KUSKOKWIM HIGHLANDS
176	INTERIOR ALASKA HIGHLANDS
177	NORTON SOUND HIGHLANDS
178	WESTERN ALASKA COASTAL PLAINS AND DELTAS
179	BERING SEA ISLANDS
180	BROOKS RANGE
181	ARCTIC FOOTHILLS
182	ARCTIC COASTAL PLAIN

Data Set Name: SOIL RESOURCE:

RECORD : 14

Field Length:9:

Authority:FLPMA NCSS:

Data Element Name: MAP SCALE:

Source of Information: NCSS, SSM3P19, NSH:

Form:NONE:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:3: 1 - New Element

Data Element Number:5143:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE SCALE OF STANDARD MAPS OR PHOTOS. EXAMPLE (1:24000)

Data Standards:

:NUMERIC

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 15

Field Length:3:

Authority:FLPMA NCSS:

Data Element Name: PRECIPITATION AVERAGE ANNUAL:

Source of Information: NCSS.DATA DICTIONARY:

Form:NONE:

Frequency of Use:1M: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

Print this record? :T:

G - Data General

O - Other

New/RW/Accept:3: 1 - New Element
2 - Rewrite Previous
3 - Accept Previous

Data Element Number:0694:

Standards:Y: Y - YES, ESTABLISHED
N - No, not developed

Data Category:C: C - CORPORATE

D - Discretionary

Descriptive Element Name:

Element definition:

:THE AVERAGE AMOUNT OF PRECIPITATION MEASURED ON A YEARLY BASIS
:FOR A SPECIFIC AREA.

Data Standards:

:SUM OF DAILY MEASURED AMOUNTS EXPRESSED IN INCHES OR CENTIMETERS
:TO THE NEAREST WHOLE UNIT.
:VALUES RANGE FROM 0 TO 999
:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT UNIT OF MEASURE
:TO IDENTIFY TYPE.

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 16

Field Length:3:

Authority:FLPMA NCSS:

Data Element Name: PRECIPITATION AVERAGE ANNUAL SOIL EFF:

Source of Information: NCSS, SSM, NSH:

Form:SOI-5 & 6:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number:4638:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES. ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:PRECIPITATION. AVERAGE ANNUAL SOIL. EFFECTIVE

Element definition:

:AVERAGE ANNUAL ESTIMATED PRECIPITATION EXCEEDING

:EVAPOTRANSPIRATION. THAT IS AVAILABLE FOR PLANT GROWTH FOR A

:GEOGRAPHIC AREA.

Data Standards:

:SUM OF DAILY MEASURED AMOUNTS EXPRESSED IN INCHES OR CENTIMETERS

:TO THE NEAREST WHOLE UNIT.

:VALUES RANGE FROM 0 TO 999

:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT UNIT OF MEASURE

:TO IDENTIFY TYPE.

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 17

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: PRIME FARMLAND:

Source of Information: NCSS, NSH P.603-13:

Form:NONE:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :I:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:AN INDICATION OF WHETHER THE LAND HAS THE BEST COMBINATION OF
:PHYSICAL AND CHEMICAL CHARACTERISTICS FOR PRODUCING FOOD, FEED,
:FORAGE, FIBER, AND OIL SEED CROPS AND IS AVAILABLE FOR THESE
:USES.

Data Standards:

:LOGICAL EXPRESSION TRUE OR FALSE INDICATOR CODE

Codes:

:Y = YES

:N = NO

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 18

Field Length:2:

Authority:FLPMA NCSS:

Data Element Name: SLOPE ASPECT:

Source of Information: NCSS, SSM:

Form:SCS-232:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:3: 1 - New Element

Data Element Number:6523:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No. not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE DIRECTION THAT A SLOPE (LAND SURFACE) FACES.

:INCLUDES THE EIGHT MAJOR CARDINAL DIRECTIONS OF THE

:COMPASS.

Data Standards:

:ONE OR TWO CHARACTER ALPHABETIC CODE

Codes:

:AA = ALL ASPECTS

:F = FLAT (LEVEL SLOPE < 5%)

:N = NORTH

:NE = NORTHEAST

:E = EAST

:SE = SOUTHEAST

S = SOUTH

SW = SOUTHWEST

W = WEST

NW = NORTHWEST

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 19

Field Length:2:

Authority:FLPMA NCSS:

Data Element Name: SLOPE CLASS:

Source of Information: NCSS, NSH P.602-63:

Form:SOI-5 &232:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :I:

New/RW/Accept:1:

1 - New Element

Data Element Number:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:A GENERAL DESCRIPTIVE TERM FOR A GROUPING OF LAND SURFACES BY

:SLOPE STEEPNESS AND TOPOGRAPHY FOR AN INDIVIDUAL SURVEY AREA OR

:USE.

:RELATED TO DATA ELEMENT: SLOPE PERCENT

Data Standards:

:ONE DIGIT NUMERIC CODE

:VALUES RANGE FROM 1 TO 12

Codes:

:SEE ATTACHED SHEET FOR 12 DESCRIPTIVE CLASSES

User Fields:

SOIL RESOURCE DATA SET

RECORD NO. 19

DATA ELEMENT NAME: SLOPE, CLASS

CODES:

SIMPLE SLOPES

		SLOPE GRADIENT LIMITS	
		SLOPE PERCENT	
		LOWER	UPPER
1	NEARLY LEVEL	0	1 - 3
2	GENTLY SLOPING	1 - 3	5 - 8
3	STRONGLY SLOPING	5 - 8	10 - 16
4	MODERATELY STEEP	10 - 16	20 - 30
5	STEEP	20 - 30	45 - 65
6	VERY STEEP	45 - 65	NONE

COMPLEX SLOPES

		SLOPE GRADIENT LIMITS	
		SLOPE PERCENT	
		LOWER	UPPER
7	NEARLY LEVEL	0	1 - 3
8	UNDULATING	1 - 3	5 - 8
9	ROLLING	5 - 8	10 - 16
10	HILLY	10 - 16	20 - 30
11	STEEP	20 - 30	45 - 65
12	VERY STEEP	45 - 65	NONE

Data Set Name: SOIL RESOURCE:

RECORD : 20

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SLOPE LENGTH:

Source of Information: NCSS, SSM:

Form:NONE:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE DISTANCE OF A SLOPE.

Data Standards:

:MEASURED IN FEET TO THE NEAREST FOOT.

:VALUES RANGE FROM 0 TO 9999

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD.: 21

Field Length:3:

Authority:FLPMA NCSS:

Data Element Name: SLOPE PERCENT:

Source of Information: SCS, BLM MANUALS:

Form:SOI-5 &232:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number:3874:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE INCLINATION [VERTICAL DISTANCE (RISE) DIVIDED BY THE
:HORIZONTAL DISTANCE (RUN)] OF THE SURFACE BETWEEN TWO POINTS.

Data Standards:

:MEASURED IN VERTICAL FEET PER 100 FEET HORIZONTAL AND EXPRESSED
:AS A PERCENT TO THE NEAREST WHOLE PERCENT.
:VALUES RANGE FROM 0 TO 999

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 22

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SLOPE SHAPE:

Source of Information: NCSS, SSM4P7:

Form:SCS-232:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number:4691:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:A DESCRIPTIVE CLASS OF A SITE

:IN TERMS OF TOPOGRAPHIC RELIEF (DIFFERENCE IN ELEVATION OF

:MICRO-RELIEF OF LAND SURFACE).

Data Standards:

:ONE DIGIT NUMERIC CODE

:VALUES RANGE FROM 1 TO 4

Codes:

:1 = SMOOTH

:2 = CONCAVE

:3 = CONVEX

:4 = COMPLEX

User Fields:

Data Set Name: SOIL RESOURCE:

Field Length:4: Authority:FLPMA NCSS:

Data Element Name: SOIL ANION EXTRACTABLE CL:

Source of Information: NCSS LAB:

Form:NONE:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

N - Not Automated

L - DPS6 Honeywell

D - DPS870 Honeywell

M - Micro Based Sys

P - Prime System

G - Data General

Graphics:N:

Y - Will be in GIS

N - Will not in GIS

U - Unknown

O - Other

Security:PUB:

PUB - Public, no restrictions

IPR - Internal Proprietary

IN - Internal Investigatory

IOT - Internal Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element
2 - Rewrite Previous
3 - Accept Previous

Data Element Number:4506:

Standards:Y: Y - YES. ESTABLISHED
N - No, not developedData Category:C: C - CORPORATE
D - Discretionary

Descriptive Element Name:

:SOIL ANION, EXTRACTABLE. CHLORINE

Element definition:

:AMOUNT OF CHLORINE NEGATIVELY CHARGED IONS THAT CAN BE
:DRAWN OR PULLED OUT FROM A SOIL MICELLE
:USING SOLUTIONS OF 0.003 M SODIUM BICARBONATE, 0.0024 M SODIUM
:CARBONATE, AND 0.025 N SULFURIC ACID, OR OTHER STANDARD
:EXTRACTION METHODS.

Data Standards:

:MEASURED IN MILLIEQUIVALENTS
:PER 100 GRAMS (MEQ/100G) TO THE NEAREST TENTH.
:VALUES RANGE FROM 0.0 TO 99.9
:DETERMINED BY LAB ANALYSIS

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 24

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL ANION EXTRACTABLE CO3:

Source of Information: NCSS LAB:

Form:NONE:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2:

1 - New Element

Data Element Number:4509:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL ANION, EXTRACTABLE. CARBONATE

:

:

Element definition:

:AMOUNT OF CARBONATE NEGATIVELY CHARGED IONS THAT CAN BE

:DRAWN OR PULLED OUT FROM A SOIL MICELLE

:USING A SOLUTION OF 0.015 N SULFURIC ACID.

:OR OTHER STANDARD EXTRACTION METHODS.

:

:

:

:

:

:

:

:

:

:

:

:

:

Data Standards:

:MEASURED IN MILLIEQUIVALENTS

:PER 100 GRAMS (MEQ/100G) TO THE NEAREST TENTH.

:VALUES RANGE FROM 0.0 TO 99.9

:DETERMINED BY LAB ANALYSIS

:

:

:

Codes:

:ENTER ACTUAL VALUE

:

:

:

:

:

:

User Fields:

:

:

:

Data Set Name: SOIL RESOURCE:

RECORD : 25

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL ANION EXTRACTABLE HC03:

Source of Information: NCSS LAB:

Form:NONE:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

P - Prime System

IOT - Internal Other

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number:4507:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL ANION, EXTRACTABLE, BICARBONATE

Element definition:

:AMOUNT OF BICARBONATE NEGATIVELY CHARGED IONS THAT CAN BE

:DRAWN OR PULLED OUT FROM A SOIL MICELLE

:USING A SOLUTION OF 0.015 N SULFURIC ACID,

:OR OTHER STANDARD EXTRACTION METHODS.

Data Standards:

:MEASURED IN MILLIEQUIVALENTS

:PER 100 GRAMS (MEQ/100G) TO THE NEAREST TENTH.

:VALUES RANGE FROM 0.0 TO 99.9

:DETERMINED BY LAB ANALYSIS

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 26

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL ANION EXTRACTABLE OTHER AMOUNT:

Source of Information: NCSS LAB:

Form:NONE:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:
:
:

:
:
:

Element definition:

:AMOUNT OF NEGATIVELY CHARGED IONS OTHER THAN

:BICARBONATE, CHLORINE, CARBONATE, OR SULFATE THAT CAN BE

:DRAWN OR PULLED OUT FROM A SOIL MICELLE

:USING STANDARD EXTRACTION METHODS.

:
:
:
:
:
:
:
:
:
:
:
:

:
:
:
:
:
:
:
:
:
:
:
:

:RELATED TO DATA ELEMENT: SOIL ANION EXTRACTABLE OTHER TYPE

:
:
:

:
:
:

Data Standards:

:MEASURED IN MILLIEQUIVALENTS

:PER 100 GRAMS (MEQ/100G) TO THE NEAREST TENTH.

:VALUES RANGE FROM 0.00 TO 99.9

:
:
:
:
:

:
:
:
:
:

Codes:

:ENTER ACTUAL VALUE

:
:
:
:
:
:
:

:
:
:
:
:
:
:

User Fields:

:

:

:

Data Set Name: SOIL RESOURCE:

Field Length:10: Authority:FLPMA NCSS:

Data Element Name: SOIL ANION EXTRACTABLE OTHER TYPE:

Source of Information: NCSS LAB:

Form:NONE:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D: Graphics:N:
 N - Not Automated Y - Will be in GIS
 L - DPS6 Honeywell N - Will not in GIS
 D - DPS870 Honeywell U - Unknown
 M - Micro Based Sys
 P - Prime System
 G - Data General 0 - Other

Security:PUB:
 PUB - Public, no restrictions
 IPR - Internal Proprietary
 IN - Internal Investigatory
 IOT - Internal Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element
 2 - Rewrite Previous
 3 - Accept Previous

Data Element Number: :

Standards:Y: Y - YES, ESTABLISHED
 N - No, not developed

Data Category:C: C - CORPORATE
 D - Discretionary

Descriptive Element Name:

Element definition:

:TYPE OF NEGATIVELY CHARGED IONS OTHER THAN
 :BICARBONATE, CHLORINE, CARBONATE, OR SULFATE THAT CAN BE
 :DRAWN OR PULLED OUT FROM A SOIL MICELLE
 :USING STANDARD EXTRACTION METHODS.

:RELATED TO DATA ELEMENT: SOIL ANION EXTRACTABLE OTHER AMOUNT

Data Standards:

:UP TO 10 CHARACTER ALPHANUMERIC CODE

Codes:

:STANDARD CHEMICAL NAME ABBREVIATION CODE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD.: 28

Field Length:4: Authority:FLPMA NCSS:

Data Element Name: SOIL ANION EXTRACTABLE S04:

Source of Information: NCSS LAB:

Form:NONE:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number:4508:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL ANION, EXTRACTABLE, SULFATE

Element definition:

:AMOUNT OF SULFATE NEGATIVELY CHARGED IONS THAT CAN BE

:DRAWN OR PULLED OUT FROM A SOIL MICELLE

:USING A SATURATED PASTE AND AN AUTOMATIC EXTRACTOR

:OR OTHER STANDARD EXTRACTION METHODS.

Data Standards:

:MEASURED IN MILLIEQUIVALENTS

:PER 100 GRAMS (MEQ/100G) TO THE NEAREST TENTH.

:VALUES RANGE FROM 0.00 TO 99.9

:DETERMINED BY LAB ANALYSIS

Codes:

:ENTER ACTUAL VALUE

User Fields:

RECORD : 29

Authority:FLPMA NCSS:

Form:SCS-SOI-5:

Frequency of Use: 1M: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Print this record? :T:

Data Category: C: C - CORPORATE
D - Discretionary

User Fields:

RECORD : 30

Authority:FLPMA NCSS:

Form:SCS-SOI-5:

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category: C: C - CORPORATE

N - No, not developed

D - Discretionary

● ● ● ● ●

```

: THE MINIMUM MEASURED VALUE IDENTIFYING THE CAPACITY OF A SOIL TO :
: HOLD WATER IN A FORM AVAILABLE TO PLANTS. :
: INFLUENCED BY TEXTURES, DEPTHS, AND COARSE FRAGMENTS. :
: COMMONLY DEFINED AS THE AMOUNT OF WATER HELD BETWEEN FIELD :
: CAPACITY AND WILTING POINT. :

```

```
standards:
:MEASURED IN INCHES OR CENTIMETERS OF WATER PER INCH OR CENTIMETER:
:OF SOIL TO THE NEAREST HUNDREDTH UNIT.
:VALUES RANGE FROM 0.00 TO 9.99
:MEASURED BY LAB ANALYSIS FROM A SINGLE SAMPLE
:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT UNIT OF MEASURE TO
:IDENTIFY TYPE.
```

```

:ENTER ACTUAL VALUE

```

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 31

Field Length:2:

Authority:FLPMA NCSS:

Data Element Name: SOIL AVAILABLE WATER CAPACITY PROF CLASS:

Source of Information: NCSS, SSM, NSH:

Form:SCS-SOI-5:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 HoneyWell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D HoneyWell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element Data Element Number:5355:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL, AVAILABLE WATER HOLDING CAPACITY, PROFILE, CLASS :

:

:

Element definition:

:A GENERAL DESCRIPTIVE TERM WHICH INDICATES :

:THE TOTAL :

:CAPACITY OF A SOIL TO HOLD WATER IN A FORM AVAILABLE TO PLANTS :

:FOR THE WHOLE SOIL PROFILE BY MOISTURE REGIMES. :

:

:

:

:

:

:

:

:

:

:

:

:RELATED TO DATA ELEMENT: SOIL MOISTURE REGIMES :

:

:

:

Data Standards:

:ONE OR TWO CHARACTER ALPHABETIC CODE :

:

:

:

:

:

:

:

Codes:

:SEE ATTACHED SHEET FOR 5 CODES :

:

:

:

:

:

:

User Fields:

:

:

:

SOIL RESOURCE DATA SET

RECORD NO. 31

DATA ELEMENT NAME: SOIL AVAILABLE WATER CAPACITY, PROF, CL

CODES:

CODE	CLASS	MOISTURE REGIMES			
		AQUIC, PERUDIC	UDIC, USTIC.	ARIDIC, XERIC	
		IN/40 IN	IN/60 IN	IN/60 IN	
VL	VERY LOW	< 2	< 3	< 2.5	
L	LOW	2 - 3	3 - 6	2.5 - 5	
M	MODERATE	3 - 4	6 - 9	5 - 7.5	
H	HIGH	> 4	9 - 12	7.5 - 10	
VH	VERY HIGH	-	> 12	> 10	

Data Set Name: SOIL RESOURCE:

RECORD : 32

Field Length:5:

Authority:FLPMA NCSS:

Data Element Name: SOIL AVAILABLE WATER CAPACITY PROFILE:

Source of Information: NCSS, SSM, NSH:

Form:SCS-SOI-5:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number:5355:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL, AVAILABLE WATER HOLDING CAPACITY, PROFILE

Element definition:

:THE SUM OF THE CAPACITIES OF THE VARIOUS SOIL LAYERS

:TO HOLD WATER IN A FORM AVAILABLE TO PLANTS

:FOR THE WHOLE SOIL PROFILE.

Data Standards:

:MEASURED IN INCHES OR CENTIMETERS OF WATER PER INCH OR

:CENTIMETER OF SOIL DEPTH TO THE NEAREST HUNDREDTH UNIT.

:VALUES RANGE FROM 0.00 TO 99.99

:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT UNIT OF MEASURE TO

:IDENTIFY TYPE.

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 33

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL AVAILABLE WATER CAPACITY SPECIFIC:

Source of Information: NCSS, NSH P.603-20:

Form:SCS-SOI-5:

Frequency of Use:1M: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:2:

1 - New Element

Data Element Number:4533:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL. AVAILABLE WATER HOLDING CAPACITY, SPECIFIC

:

:

Element definition:

:THE SPECIFIC VALUE IDENTIFYING THE CAPACITY OF A SOIL TO HOLD

:WATER IN A FORM AVAILABLE TO PLANTS.

:INFLUENCED BY TEXTURES, DEPTH, AND COARSE FRAGMENTS.

:

:COMMONLY DEFINED AS THE AMOUNT OF WATER HELD BETWEEN FIELD

:CAPACITY AND WILTING POINT.

:

:

:

:

:

:

:

:

:

:

Data Standards:

:MEASURED IN INCHES OR CENTIMETERS OF WATER PER INCH OR CENTIMETER:

:OF SOIL TO THE NEAREST HUNDREDTH UNIT.

:VALUES RANGE FROM 0.00 TO 9.99

:DETERMINED BY LAB ANALYSIS FROM A SINGLE SAMPLE

:

:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT UNIT OF MEASURE TO

:IDENTIFY TYPE.

Codes:

:ENTER ACTUAL VALUE

:

:

:

:

:

User Fields:

:

:

:

Data Set Name: SOIL RESOURCE:

RECORD : 34

Field Length:3:

Authority:FLPMA NCSS:

Data Element Name: SOIL BASE SATURATION PERCENT:

Source of Information: NCSS LAB:

Form:NONE:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :I:

New/RW/Accept:2: 1 - New Element

Data Element Number:4604:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE PERCENTAGE OF TOTAL CATION-EXCHANGE CAPACITY SATISFIED WITH :

:BASIC CATIONS (CATIONS OTHER THAN HYDROGEN). :

:SOIL BASE SATURATION PERCENT = :

: % BS = S/T X 100 :

: THE MILLIEQUIVALENT OF BASIC CATIONS (S) PER 100 GRAMS OF SOIL:

: DIVIDED BY TOTAL CATION-EXCHANGE CAPACITY (T) :

: TIMES 100. :

:THE AMOUNT OF BASIC CATIONS COMPARED TO THE TOTAL AMOUNT OF :

:CATION-EXCHANGE CAPACITY. :

Data Standards:

:MEASURED IN PERCENT TO THE NEAREST WHOLE UNIT. :

:VALUES RANGE FROM 0 TO 100 :

Codes:

:ENTER ACTUAL VALUE :

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 35

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL BULK DENSITY HIGH:

Source of Information: NCSS, NSH P.603-16:

Form:SCS-SOI-5:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2:

1 - New Element

Data Element Number:4544:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No. not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE MAXIMUM MEASURED VALUE OF THE MASS OF DRY SOIL PER UNIT

:VOLUME OF SOIL FOR A PARTICULAR SET OF SAMPLES TAKEN FROM A

:SINGLE SOIL HORIZON.

:RATIO OF VOLUME OF PORES TO SOLID PARTICLES MEASURED BY VARIOUS

:METHODS.

:RELATED TO DATA ELEMENT: SOIL HORIZON MASTER CURRENT

Data Standards:

:CALCULATED IN POUNDS PER CUBIC FOOT OR GRAMS PER CUBIC CENTIMETER:

:TO THE NEAREST HUNDREDTH UNIT.

:VALUES RANGE FROM 0.00 TO 9.99

:DETERMINED BY LAB ANALYSIS FROM TWO OR MORE SAMPLES

:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT UNIT OF MEASURE TO

:IDENTIFY TYPE.

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 36

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL BULK DENSITY LOW:

Source of Information: NCSS, NSH P.603-16:

Form:SCS-SOI-5:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :I:

New/RW/Accept:2: 1 - New Element

Data Element Number:4544:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE MINIMUM MEASURED VALUE OF THE MASS OF DRY SOIL PER UNIT

:VOLUME OF SOIL FOR A PARTICULAR SET OF SAMPLES TAKEN FROM A

:SINGLE SOIL HORIZON.

:RATIO OF VOLUME OF PORES TO SOLID PARTICLES MEASURED BY VARIOUS

:METHODS.

:RELATED TO DATA ELEMENT: SOIL HORIZON MASTER CURRENT

Data Standards:

:CALCULATED IN POUNDS PER CUBIC FOOT OR GRAMS PER CUBIC CENTIMETER:

:TO THE NEAREST HUNDREDTH UNIT.

:VALUES RANGE FROM 0.00 TO 9.99

:DETERMINED BY LAB ANALYSIS FROM TWO OR MORE SAMPLES

:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT UNIT OF MEASURE TO

:IDENTIFY TYPE.

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD.: 37

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL BULK DENSITY SPECIFIC:

Source of Information: NCSS, NSH P.603-16:

Form:SCS-232:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2:

1 - New Element

Data Element Number:4544:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:
:
:

Element definition:

:THE SPECIFIC MEASURED VALUE OF THE MASS OF DRY SOIL PER UNIT
:VOLUME OF SOIL OF A SAMPLE TAKEN FROM A SINGLE SOIL HORIZON.
:RATIO OF VOLUME OF PORES TO SOLID PARTICLES MEASURED BY
:VARIOUS METHODS.

:
:
:
:
:
:
:
:
:
:
:
:

:RELATED TO DATA ELEMENT: SOIL HORIZON MASTER CURRENT

:
:
:

Data Standards:

:CALCULATED IN POUNDS PER CUBIC FOOT OR GRAMS PER CUBIC CENTIMETER:
:TO THE NEAREST HUNDREDTH UNIT.
:VALUES RANGE FROM 0.00 TO 9.99
:DETERMINED BY LAB ANALYSIS FROM TWO OR MORE SAMPLES
:
:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT UNIT OF MEASURE TO
:IDENTIFY TYPE.

Codes:

:ENTER ACTUAL VALUES

:
:
:
:
:
:
:
:

User Fields:

:

:

:

Data Set Name: SOIL RESOURCE:

RECORD : 38

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL CARB SOFT MASS & CONCRET ABUNDANCE:

Source of Information: NCSS, SSM4P66,78:

Form:SCS-232:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL CARBONATES, SOFT MASSES AND CONCRETION, ABUNDANCE

Element definition:

:A GENERAL DESCRIPTIVE TERM FOR THE AMOUNT

:OF SOFT MASSES AND CONCRETIONS OF CARBONATES (A LOCAL

:CONCENTRATION OF CARBONATES IN THE FORM OF AN AGGREGATE OR

:NODULE OF VARYING SIZE, SHAPE, HARDNESS, AND COLOR) OCCURRING IN

:THE SOIL PROFILE.

:BASED ON AMOUNT OF THE AREA OF SOFT MASSES AND CONCRETIONS OF

:CARBONATES PER TOTAL SOIL PROFILE AREA.

Data Standards:

:ONE CHARACTER ALPHABETIC CODE

Codes:

:F = FEW (LESS THAN 2 % OF THE SURFACE AREA)

:C = COMMON (2 - 20 % OF THE SURFACE AREA)

:M = MANY (GREATER THAN 20 % OF THE SURFACE AREA)

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 39

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL CARB SOFT MASS & CONCRET SHAPE:

Source of Information: NCSS, SSM4P78:

Form:SCS-232:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1:

1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL CARBONATES, SOFT MASSES AND CONCRETIONS, SHAPE

Element definition:

:A QUALITATIVE TERM FOR THE SHAPE OF SOFT

:MASSES AND CONCRETIONS OF CARBONATES (A LOCAL CONCENTRATION

:OF CARBONATES IN THE FORM OF AN AGGREGATE OR NODULE OF VARYING

:SIZE, SHAPE, HARDNESS, AND COLOR) OCCURRING IN THE SOIL PROFILE.

Data Standards:

:ONE CHARACTER ALPHABETIC CODE

Codes:

:R = GENERALLY ROUNDED OR SLIGHTLY OBLONG

:I = IRREGULARLY SHAPED

:C = CYLINDRICAL

:P = PLATELIKE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 40

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL CARB SOFT MASS & CONCRET SIZE:

Source of Information: NCSS, SSM:

Form:SCS-232:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL CARBONATES SOFT MASSES AND CONCRETIONS, SIZE

Element definition:

:A GENERAL DESCRIPTIVE TERM FOR THE SIZE OF SOFT MASSES

:AND CONCRETIONS OF CARBONATES (A LOCAL CONCENTRATION OF

:CARBONATES IN THE FORM OF AN AGGREGATE OR NODULE OF VARYING

:SIZE, SHAPE, HARDNESS, AND COLOR) OCCURRING IN THE SOIL PROFILE.

:BASED ON THE RELATIVE DIAMETER OF THE SOFT MASSES AND

:CONCRETIONS OF CARBONATES.

Data Standards:

:ONE DIGIT NUMERIC CODE

:VALUES RANGE FROM 1 TO 3

Codes:

:1 = FINE (LESS THAN 5 MILLIMETERS IN DIAMETER)

:2 = MEDIUM (5 TO 15 MILLIMETERS IN DIAMETER)

:3 = LARGE (MORE THAN 15 MILLIMETERS IN DIAMETER)

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 41

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL CATION EXCHANGE CAPACITY:

Source of Information: NCSS LAB:

Form:NONE:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2:

1 - New Element

Data Element Number:4527:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE SUM TOTAL OF EXCHANGEABLE POSITIVELY CHARGED IONS (EXCEPT FOR:
:HYDROGEN) THAT A SOIL CAN ABSORB, NOTABLY CALCIUM, POTASSIUM,
:MAGNESIUM, AND SODIUM.

Data Standards:

:MEASURED IN MILLIEQUIVALENTS
:PER 100 GRAMS (MEQ/100G) TO THE NEAREST TENTH.
:VALUES RANGE FROM 0.0 TO 99.9
:DETERMINED BY LAB ANALYSIS

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 42

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL CATION EXTRACTABLE CA:

Source of Information: NCSS LAB:

Form:NONE:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2:

1 - New Element

Data Element Number:4528:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL CATION, EXTRACTABLE, CALCIUM

Element definition:

:AMOUNT OF CALCIUM POSITIVELY CHARGED IONS THAT CAN BE

:DRAWN OR PULLED OUT FROM A SOIL MICELLE

:USING A SOLUTION OF (NORMALLY) NH4OAC (AMMONIUM OXALATE)

:OR BY ANOTHER STANDARD EXTRACTION METHOD.

:ABBREVIATION: EXPRESSED AS CAO

Data Standards:

:MEASURED IN MILLIEQUIVALENTS

:PER 100 GRAMS (MEQ/100G) TO THE NEAREST TENTH.

:VALUES RANGE FROM 0.0 TO 99.9

:DETERMINED BY LAB ANALYSIS

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 43

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL CATION EXTRACTABLE K:

Source of Information: NCSS LAB:

Form:NONE:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2:

1 - New Element

Data Element Number:4529:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL CATION, EXTRACTABLE, POTASSIUM

:

:

Element definition:

:AMOUNT OF POTASSIUM POSITIVELY CHARGED IONS THAT CAN BE

:DRAWN OR PULLED OUT OF A SOIL MICELLE

:USING A SOLUTION OF (NORMALLY) NH4OAC (AMMONIUM OXALATE)

:OR BY ANOTHER STANDARD EXTRACTION METHOD.

:

:

:

:

:

:

:

:ABBREVIATION: EXPRESSED AS K2O

:

:

:

:

:

Data Standards:

:MEASURED IN MILLIEQUIVALENTS

:PER 100 GRAMS (MEQ/100G) TO THE NEAREST TENTH.

:VALUES RANGE FROM 0.0 TO 99.9

:DETERMINED BY LAB ANALYSIS

:

:

:

Codes:

:ENTER ACTUAL VALUE

:

:

:

:

:

:

User Fields:

:

:

:

Data Set Name: SOIL RESOURCE:

RECORD : 44

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL CATION EXTRACTABLE MG:

Source of Information: NCSS LAB:

Form:NONE:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number:4531:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL CATION, EXTRACTABLE, MAGNESIUM

Element definition:

:AMOUNT OF MAGNESIUM POSITIVELY CHARGED IONS THAT CAN BE

:DRAWN OR PULLED OUT FROM A SOIL MICELLE

:USING A SOLUTION OF (NORMALLY) NH4OAC (AMMONIUM OXALATE)

:OR BY ANOTHER STANDARD EXTRACTION METHOD.

:ABBREVIATION: EXPRESSED AS MGO

Data Standards:

:MEASURED IN MILLIEQUIVALENTS

:PER 100 GRAMS (MEQ/100G) TO THE NEAREST TENTH.

:VALUES RANGE FROM 0.0 TO 99.9

:DETERMINED BY LAB ANALYSIS

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 45

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL CATION EXTRACTABLE NA:

Source of Information: NCSS LAB:

Form:NONE:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :1:

New/RW/Accept:2: 1 - New Element
2 - Rewrite Previous
3 - Accept Previous

Data Element Number:4530:

Standards:Y: Y - YES, ESTABLISHED
N - No, not developed

Data Category:C: C - CORPORATE
D - Discretionary

Descriptive Element Name:

:SOIL CATION, EXTRACTABLE, SODIUM

Element definition:

:AMOUNT OF SODIUM POSITIVELY CHARGED IONS THAT CAN BE
:DRAWN OR PULLED OUT OF A SOIL MICELLE
:USING A SOLUTION OF (NORMALLY) NH4OAC (AMMONIUM OXALATE)
:OR BY ANOTHER STANDARD EXTRACTION METHOD.

:ABBREVIATION: EXPRESSED AS NA20

Data Standards:

:MEASURED IN MILLIEQUIVALENTS
:PER 100 GRAMS (MEQ/100G) TO THE NEAREST TENTH.
:VALUES RANGE FROM 0.0 TO 99.9
:DETERMINED BY LAB ANALYSIS

Codes:

:ENTER ACTUAL VALUE

User Fields:

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL CATION EXTRACTABLE OTHER AMOUNT:

Source of Information: NCSS LAB:

Form:NONE:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No. not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:AMOUNT OF POSITIVELY CHARGED IONS OTHER THAN HYDROGEN.

:CALCIUM, POTASSIUM, MAGNESIUM, AND SODIUM, THAT CAN BE DRAWN OR

:PULLED OUT FROM A SOIL MICELLE USING A SOLUTION OF (NORMALLY)

:NH4OAC (AMMONIUM OXALATE) OR BY ANOTHER STANDARD EXTRACTION

:METHOD.

:RELATED TO DATA ELEMENT: SOIL CATION EXTRACTABLE OTHER TYPE

Data Standards:

:MEASURED IN MILLIEQUIVALENTS

:PER 100 GRAMS (MEQ/100G) TO THE NEAREST TENTH.

:VALUES RANGE FROM 0.0 TO 99.9

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 47

Field Length:10:

Authority:FLPMA NCSS:

Data Element Name: SOIL CATION EXTRACTABLE OTHER TYPE:

Source of Information: NCSS LAB:

Form:NONE:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element
2 - Rewrite Previous
3 - Accept Previous

Data Element Number: :

Standards:Y: Y - YES, ESTABLISHED
N - No, not developed

Data Category:C: C - CORPORATE
D - Discretionary

Descriptive Element Name:

Element definition:

:TYPE OF POSITIVELY CHARGED IONS OTHER THAN HYDROGEN,
:CALCIUM, POTASSIUM, MAGNESIUM, AND SODIUM, THAT CAN BE DRAWN OR
:PULLED OUT FROM A SOIL MICELLE USING A SOLUTION OF (NORMALLY)
:NH4OAC (AMMONIUM OXALATE) OR BY ANOTHER STANDARD EXTRACTION
:METHOD.

:RELATED TO DATA ELEMENT: SOIL CATION EXTRACTABLE OTHER AMOUNT

Data Standards:

:UP TO 10 CHARACTER ALPHANUMERIC CODE

Codes:

:STANDARD CHEMICAL NAME ABBREVIATION CODE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 49

Field Length:3:

Authority:FLPMA NCSS:

Data Element Name: SOIL CLASSIFICATION AASHTO GROUP:

Source of Information: NCSS, NSH P.603-10:

Form:SCS-SOI-5:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :I:

New/RW/Accept:2:

1 - New Element

Data Element Number:4522:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL CLASSIFICATION, AMERICAN ASSOCIATION OF STATE HIGHWAY AND :

:TRANSPORTATION OFFICIALS GROUP :

: :

Element definition:

:CLASSIFICATION SYSTEM USED TO CLASSIFY MINERAL AND ORGANO-MINERAL:

:SOILS, SPECIFICALLY FOR GEOTECHNICAL ENGINEERING PURPOSES RELATED:

:TO HIGHWAY CONSTRUCTION AND MAINTENANCE. :

:BASED ON SOIL PARTICLE SIZE (LESS THAN 3" IN SIZE) DISTRIBUTION. :

:LIQUID LIMIT, AND PLASTIC LIMIT. :

:CLASSIFICATION DESIGNED ACCORDING TO THOSE PROPERTIES THAT AFFECT:

:USE IN HIGHWAY CONSTRUCTION AND MAINTENANCE. :

:SEVEN BASIC GROUPS RANGE FROM A-1, GRAVELLY SOILS OF HIGH BEARING:

:STRENGTH (BEST SOILS FOR SUBGRADE OR FOUNDATIONS) TO A-7, CLAY :

:SOILS OF LOW STRENGTH WHEN WET (POOREST MINERAL SOILS FOR :

:SUBGRADE OR FOUNDATIONS). :

: :

: :

: :

: :

: :

: :

Data Standards:

:THREE CHARACTER ALPHANUMERIC CLASSIFICATION CODE :

:DETERMINED BY VISUAL FIELD METHODS OR LAB ANALYSIS. :

:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT SOIL MEASUREMENT :

:TYPE, FIELD OR LAB TO IDENTIFY TYPE. :

: :

: :

: :

Codes:

:SEE ATTACHED SHEET FOR 7 CODES :

: :

: :

: :

: :

: :

User Fields:

: :

SOIL RESOURCE DATA SET

RECORD NO. 49

DATA ELEMENT NAME: SOIL CLASSIFICATION, AASHTO GROUP

CODES:

- A-1 Granular materials (35% or less passing No. 200), Stone Fragments, Gravel and Sand.
- A-2 Granular materials (35% or less passing No. 200), Silty or Clayey Gravel and Sand.
- A-3 Granular materials (35% or less passing No. 200), Fine Sand.
- A-4 Silt-Clay Materials (more than 35% passing No. 200), Silty Soils, Liquid Limit < 41.
- A-5 Silt-Clay Materials (more than 35% passing No. 200), Silty Soils, Liquid Limit > 40.
- A-6 Silt-Clay Materials (more than 35% passing No. 200), Clayey Soils, Liquid Limit < 41.
- A-7 Silt-Clay Materials (more than 35% passing No. 200), Clayey Soils, Liquid Limit > 40.

Data Set Name: SOIL RESOURCE:

RECORD: 50

Field Length:2:

Authority:FLPMA NCSS:

Data Element Name: SOIL CLASSIFICATION AASHTO GROUP INDEX:

Source of Information: NCSS. NSH P.603-610:

Form:MANY:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public. no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2:

1 - New Element

Data Element Number:4522:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES. ESTABLISHED

Data Category:C: C - CORPORATE

N - No. not developed

D - Discretionary

Descriptive Element Name:

:SOIL CLASSIFICATION. AMERICAN ASSOCIATION OF STATE HIGHWAY AND

:TRANSPORTATION OFFICIALS GROUP INDEX

Element definition:

:A REFINEMENT OF AASHTO GROUP CLASSIFICATION INTO GROUPS OF THE

:ENGINEERING VALUE OF BEST (D) MATERIAL TO THE POOREST (20 OF

:MORE) MATERIAL.

:GROUP INDEX NUMBERS ARE IN PARENTHESES.

Data Standards:

:TWO DIGIT NUMERIC

:VALUES RANGE FROM 0 TO 99

Codes:

:ENTER ACTUAL NUMBER

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 51

Field Length:2:

Authority:FLPMA NCSS:

Data Element Name: SOIL CLASSIFICATION FAMILY MINERALOGY:

Source of Information: NCSS, TAX AH 436:

Form:NONE:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :I:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE SYSTEMATIC ARRANGEMENT OF SOILS INTO CATEGORIES

:(FAMILY) ON THE BASIS OF SOIL MINERALOGY CHARACTERISTICS

:FOR TAXONOMIC AND PEDOLOGIC CLASSIFICATION.

:THIS IS A SUBDIVISION OF SUBGROUP.

:IT IS THE FIFTH LEVEL OF CLASSIFICATION.

: (IT IS ON AN EQUAL LEVEL AS FAMILY, PARTICLE SIZE)

:IT IS SUBDIVIDED INTO SERIES.

Data Standards:

:ONE TO TWO DIGIT NUMERIC CODE

:VALUES RANGE FROM 1 TO 17

Codes:

:SEE ATTACHED SHEET FOR 17 CODES

User Fields:

SOIL RESOURCE DATA SET

RECORD NO. 51

DATA ELEMENT NAME: SOIL CLASSIFICATION, FAMILY, MINERALOGY

CODES:

CLASSES APPLIED TO SOILS OF ANY PARTICLE-SIZE CLASS:

- 1 - CARBONATIC
- 2 - FERRITIC
- 3 - GIBBSITIC
- 4 - OXIDIC
- 5 - SERPENTINITIC
- 6 - GYPSIC
- 7 - GLAUCONITIC

CLASSES APPLIED TO SOILS THAT A FRAGMENTAL, SANDY, SANDY-SKELETAL, LOAMY, OR LOAMY-SKELETAL PARTICLE-SIZE CLASS:

- 8 - MICACEOUS
- 9 - SILICEOUS
- 10 - MIXED

CLASSES APPLIED TO SOILS THAT HAVE A CLAYEY OR CLAYEY-SKELETAL PARTICLE-SIZE CLASS:

- 11 - HALLOYSITIC
- 12 - KAOLINITIC
- 13 - MONTMORILLONITIC
- 14 - ILLITIC
- 15 - VERMICULITIC
- 16 - CHLORITIC
- 17 - MIXED

Data Set Name: SOIL RESOURCE:

RECORD : 52

Field Length:2:

Authority:FLPMA NCSS:

Data Element Name: SOIL CLASSIFICATION FAMILY ORG DEPTH:

Source of Information: NCSS, TAX AH 436:

Form:NONE:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL CLASSIFICATION, FAMILY, ORGANIC, HISTOSOLS, SOIL DEPTH :

:

:

Element definition:

:A FAMILY NAME MODIFIER FOR A DIVISION OF A SOIL FAMILY :

:BASED ON THE RELATIVE DEPTH OF THE SOIL. :

:USED IN FAMILY NAMES OF HISTOSOLS AND ONLY IN LITHIC SUBGROUPS :

:EXCEPT IN THE SUBORDER OF FOLISTS. :

:

:

:

:

:

:

:

:

:

:

:

:

:

:

Data Standards:

:TWO CHARACTER ALPHABETIC CODE :

:

:

:

:

:

:

:

Codes:

:SF = SHALLOW FAMILIES (18 CM - 50 CM) :

:MF = MICRO FAMILIES (< 18 CM) :

:

:

:

:

:

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 53

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL CLASSIFICATION FAMILY ORG MINERAL:

Source of Information: NCSS, TAX AH 435:

Form:NONE:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL CLASSIFICATION, FAMILY, ORGANIC, HISTOSOLS, MINERALOGY :

:

:

Element definition:

:A FAMILY NAME MODIFIER FOR A DIVISION OF A SOIL FAMILY :

:BASED ON THE NATURE OF THE SUBGROUP OR GREAT GROUP. :

:USED IN FAMILY NAMES OF HISTOSOLS ONLY. :

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

Data Standards:

:ONE CHARACTER ALPHABETIC CODE :

:

:

:

:

:

:

:

Codes:

:F = FERRIHUMIC :

:N = ONLY TERRIC SUBGROUPS :

:L = ONLY LIMNIC SUBGROUPS (COPROGENOUS, DIATOMACEOUS, MARLY) :

:

:

:

:

:

User Fields:

:

:

:

RECORD. : 54

Authority:FLPMA NCSS:

Source of Information: NCSS, TAX AH 436:

Form: NONE:

Form: NONE:
Frequency of Use: 2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

0 - Other

Print this record? :T:

G - Data General

New/RW/Accept:1: 1 - New Element
2 - Rewrite Previous
3 - Accept Previous

Data Element Number:

Standards: Y: Y - YES, ESTABLISHED
N - No, not developed

Data Category: C: C - CORPORATE
D - Discretionary

Descriptive Element Name:
:SOIL CLASSIFICATION, FAMILY, ORGANIC, HISTOSOLS. PARTICLE SIZE

nt definition:
:A FAMILY NAME MODIFIER FOR A DIVISION OF A SOIL FAMILY
:BASED ON THE PARTICLE SIZE PRESENT IN THE UPPER 30 CENTIMETERS
:OF THE MINERAL LAYER OR THAT PART OF THE MINERAL LAYER THAT IS
:WITHIN THE CONTROL SECTIONS, WHICHEVER IS THICKER.
:USED IN FAMILY NAMES OF HISTOSOLS AND ONLY IN TERRIC SUBGROUPS.

:ONE OR TWO CHARACTER ALPHABETIC CODE

:F = FRAGMENTAL
:FS = LOAMY-SKELETAL OR CLAYEY-SKELETAL
:CS = SANDY OR SANDY-SKELETAL
:L = LOAMY
:C = CLAYEY

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 55

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL CLASSIFICATION FAMILY ORG REACTION:

Source of Information: NCSS, TAX AH 436:

Form:NONE:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honexwell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL CLASSIFICATION, FAMILY, ORGANIC, HISTOSOLS. REACTION

Element definition:

:A FAMILY NAME MODIFIER FOR A DIVISION OF A SOIL FAMILY

:BASED ON THE INDICATED REACTION OF THE SOIL.

:USED IN FAMILY NAMES OF HISTOSOLS AND ALL SUBGROUPS.

Data Standards:

:ONE CHARACTER ALPHABETIC CODE

Codes:

:E = EUIC (PH > 4.5)

:D = DYSIC (PH < 4.5)

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 56

Field Length:3:

Authority:FLPMA NCSS:

Data Element Name: SOIL CLASSIFICATION FAMILY PARTICLE SIZE:

Source of Information: NCSS, TAX AH 436:

Form:NONE:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL CLASSIFICATION, FAMILY, PARTICLE SIZE

:

:

Element definition:

:THE SYSTEMATIC ARRANGEMENT OF SOILS INTO CATEGORIES,

:(FAMILY) FOR TAXONOMIC AND PEDOLOGIC CLASSIFICATION

:ON THE BASIS OF SIMILAR PARTICLE SIZE (SOIL SEPARATE SIZE)

:THAT AFFECT THEIR RESPONSES TO MANAGEMENT AND MANIPULATION FOR

:USE.

:

:

:

:THIS IS A SUBDIVISION OF SUBGROUP

:IT IS THE FIFTH LEVEL OF CLASSIFICATION

: (IT IS ON AN EQUAL LEVEL AS FAMILY, SOIL TEMPERATURE)

:IT IS SUBDIVIDED INTO SERIES

:

:

:

:

:

Data Standards:

:THREE DIGIT NUMERIC CODE

:VALUES RANGE FROM 001 TO 134

:BASED ON FIELD OR LAB ANALYSIS

:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT SOIL MEASUREMENT

:TYPE, FIELD OR LAB TO IDENTIFY TYPE.

:

:

Codes:

:SEE ATTACHED SHEET FOR 63 CODES

:

:

:NOTE: THESE CODES NEED TO BE UPDATED BEFORE IMPLEMENTATION

: SOURCE: KEYS TO SOIL TAXONOMY BY SOIL SURVEY STAFF

: SMSS TECHNICAL MONOGRAPH NO. 19

: VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY:

User Fields:

SOIL RESOURCE DATA SET

RECORD NO. 56

PG. 1/2

DATA ELEMENT NAME: SOIL CLASSIFICATION, FAMILY, PARTICLE SIZE

CODES:

001	UNCLASSIFIED
002	NOT USED
003	CINDERY
004	CINDERY OVER SANDY OR SANDY-SKELETAL
005	ASHY
006	CINDERY OVER LOAMY
007	ASHY OVER CINDERY
008	ASHY OVER LOAMY
009	ASHY-SKELETAL
010	MEDIAL
011	MEDIAL-SKELETAL
012	MEDIAL OVER CINDERY
013	ASHY OVER LOAMY-SKELETAL
014	MEDIAL OVER CLAYEY
016	MEDIAL OVER FRAGMENTAL
018	MEDIAL OVER LOAMY
020	MEDIAL OVER LOAMY-SKELETAL
022	MEDIAL OVER SANDY-SKELETAL
024	MEDIAL OVER THIXOTROPIC
026	THIXOTROPIC
027	THIXOTROPIC-SKELETAL
028	THIXOTROPIC OVER FRAGMENTAL
030	THIXOTROPIC OVER SANDY OR SANDY-SKELETAL
032	THIXOTROPIC OVER LOAMY-SKELETAL
034	THIXOTROPIC OVER LOAMY
036	FRAGMENTAL
044	SANDY-SKELETAL
046	SANDY-SKELETAL OVER LOAMY
050	LOAMY-SKELETAL
051	LOAMY-SKELETAL OVER FRAGMENTAL
052	LOAMY-SKELETAL OVER SANDY
054	LOAMY-SKELETAL OVER CLAYEY
056	CLAYEY-SKELETAL OVER SANDY
058	CLAYEY-SKELETAL OVER SANDY
062	SANDY
063	SANDY OR SANDY-SKELETAL
064	SANDY OVER LOAMY
066	SANDY OVER CLAYEY
068	LOAMY
072	LOAMY OVER SANDY OR SANDY-SKELETAL
080	COARSE-LOAMY
082	COARSE-LOAMY OVER FRAGMENTAL
084	COARSE-LOAMY OVER SANDY OR SANDY-SKELETAL
086	COARSE-LOAMY OVER CLAYEY
088	COARSE-SILTY
092	COARSE-SILTY OVER SANDY OR SANDY-SKELETAL
094	COARSE-SILTY OVER CLAYEY
096	FINE-LOAMY
098	FINE-LOAMY OVER FRAGMENTAL
100	FINE-LOAMY OVER SANDY OR SANDY-SKELETAL
102	FINE-LOAMY OVER CLAYEY
106	FINE-SILTY
108	FINE-SILTY OVER FRAGMENTAL
110	FINE-SILTY OVER SANDY OR SANDY-SKELETAL
112	FINE-SILTY OVER CLAYEY
114	CLAYEY

SOIL RESOURCE DATA SET

RECORD NO. 56

PG. 1/2

DATA ELEMENT NAME: SOIL CLASSIFICATION, FAMILY, PARTICLE SIZE

CODES:

116	CLAYEY OVER FRAGMENTAL
118	CLAYEY OVER SANDY OR SANDY-SKELETAL
120	CLAYEY OVER LOAMY-SKELETAL
122	CLAYEY OVER FINE-SILTY
124	CLAYEY OVER LOAMY
126	FINE
134	VERY-FINE

Data Set Name: SOIL RESOURCE:

RECORD : 57

Field Length:2:

Authority:FLPMA NCSS:

Data Element Name: SOIL CLASSIFICATION FAMILY SOIL TEMP:

Source of Information: NCSS, TAX AH 436:

Form:NONE:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1:

1 - New Element

Data Element Number:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y:

Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL CLASSIFICATION, FAMILY, SOIL TEMPERATURE

:

:

Element definition:

:THE SYSTEMATIC ARRANGEMENT OF SOILS INTO CATEGORIES

:(FAMILY) ON THE BASIS OF SOIL TEMPERATURE CHARACTERISTICS

:FOR TAXONOMIC AND PEDOLOGIC CLASSIFICATION.

:

:

:

:

:

:THIS IS A SUBDIVISION OF SUBGROUP.

:IT IS THE FIFTH LEVEL OF CLASSIFICATION.

: (IT IS ON AN EQUAL LEVEL AS FAMILY, PARTICLE SIZE)

:IT IS SUBDIVIDED INTO SERIES.

:

:

:

:

:

Data Standards:

:ONE OR TWO CHARACTER ALPHABETIC CODE

:

:

:

:

:

:

Codes:

:SEE ATTACHED SHEET FOR 11 CODES

:

:

:

:

:

:

User Fields:

SOIL RESOURCE DATA SET

RECORD NO. 57

DATA ELEMENT NAME: SOIL CLASSIFICATION, FAMILY, SOIL TEMP

CODES:

U	UNCLASSIFIED
NU	NOT USED
F	FRIGID
C	CRYIC
H	HYPERTHERMIC
IF	ISOFRIGID
IH	ISOHYPERTHERMIC
IM	ISOMESIC
IT	ISOTHERMIC
M	MESIC
T	THERMIC

Data Set Name: SOIL RESOURCE:

RECORD : 58

Field Length:5:

Authority:FLPMA NCSS:

Data Element Name: SOIL CLASSIFICATION GREAT GROUP:

Source of Information: NCSS, TAX AH 436:

Form:NONE:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element
2 - Rewrite Previous
3 - Accept Previous

Data Element Number: :

Standards:Y: Y - YES, ESTABLISHED
N - No, not developed

Data Category:C: C - CORPORATE
D - Discretionary

Descriptive Element Name:

:
:
:

Element definition:

:THE SYSTEMATIC ARRANGEMENT OF SOILS INTO CATEGORIES
:(GREAT GROUPS) ON THE BASIS OF THEIR CHARACTERISTICS
:FOR TAXONOMIC AND PEDOLOGIC CLASSIFICATION.
:NAMES CONSISTS OF THE NAME OF A SUBORDER AND A PREFIX THAT
:CONSISTS OF ONE OR TWO FORMATIVE ELEMENTS SUGGESTING SOMETHING OF:
:THE DIAGNOSTIC PROPERTIES.

:
:

:THIS IS A SUBDIVISION OF SUBORDER.
:IT IS THE THIRD LEVEL OF CLASSIFICATION.
:IT IS SUBDIVIDED INTO SUBGROUPS.

:
:
:
:
:
:
:
:
:
:

Data Standards:

:FIVE CHARACTER ALPHABETIC CODE

:
:
:
:
:
:
:
:
:
:

Codes:

:SEE ATTACHED SHEET FOR 175 CODES

:
:

(ADD ANDISOLS)

:NOTE: THESE NEED TO BE UPDATED BEFORE IMPLEMENTATION

: SOURCE: KEYS TO SOIL TAXONOMY BY SOIL SURVEY STAFF

: SMSS TECHNICAL MONOGRAPH NO. 19

: VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY:

User Fields:

:

:

:

SOIL RESOURCE DATA SET

RECORD NO. 58

PG. 1/2

DATA ELEMENT NAME: SOIL CLASSIFICATION, GREAT GROUP

CODES:

AAQAL	ALBAQUALFS	EFLTO	TORRIFLUVENTS
AAQDU	DURAQUALFS	EFLTR	TROPOFLUVENTS
AAQFR	FRAGIAQUALFS	EFLUD	UDIFLUVENTS
AAQGL	GLOSSAQUALFS	EFLUS	USTIFLUVENTS
AAQNA	NATRAQUALFS	EFLXE	XEROFLUVENTS
AAQOC	OCHRAQUALFS	EORCR	CRYORTHENTS
AAQPN	PLINTHAQUALFS	EORTO	TORRIORTHENTS
AAQTR	TROPAQUALFS	EORTR	TROPORTHENTS
AAQUM	UMBRAQUALFS	EORUD	UDORTHENTS
ABOCR	CRYOBORALFS	EORUS	USTORTHENTS
ABOEU	EUTROBORALFS	EORXE	XERORTHENTS
ABOFR	FRAGIBORALFS	EPSCR	CRYOPSAMMENTS
ABOGL	GLOSSOBORALFS	EPSQU	QUARTZIPSAMMENTS
ABONA	NATRIBORALFS	EPSTO	TORRIPSAMMENTS
ABOPA	PALEBORALFS	EPSTR	TROPOPSAMMENTS
AUDOB	AGRUDALFS	EPSUD	UDIPSAMMENTS
AUDFE	FERRUDALFS	EPSUS	USTIPSAMMENTS
AUDFR	FRAGIUDALFS	EPSZE	ZEROPSAMMENTS
AUDES	FRAGLOSSUDALFS	HFIBO	BOROFIBRAIST
AUDGL	GLOSSUDALFS	HFICR	CRYOFIBRIST
AUDHA	HAPLUDALFS	HFILU	LUVIFIBRISTS
AUDNA	NATRUDALFS	HFIME	MEDIFIBRISTS
AUDPA	PALEUDALFS	HFISP	SPHAGOFIBRIST
AUDTR	TROPUDALFS	HFITR	TROPOFIBRISTS
AUSDU	DURUSTALFS	HFOBO	BOROFOLISTS
AUSHA	HAPLUSTALFS	HFOCR	CRYOFOLISTS
AUSNA	NATRUSTALFS	HFOTR	TROPOFOLISTS
AUSPA	PALEUSTALFS	HHEBO	BOROHEMISTS
AUSPN	PLINTHUSTALFS	HHECR	CRYOHEMISTS
AUSRH	RHODUSTALFS	HHELU	LUVIHEMISTS
AXEDU	DURIXERALFS	HHEME	MEDIHEMISTS
AXEHA	HAPLOXERALFS	HHESI	SULFIHEMISTS
AXENA	NATRIXERALFS	HHESO	SULFOHEMISTS
AXEPA	PALEXERALFS	HHETR	TROPOHEMISTS
AXEPN	PLINTHOXERALFS	HSABO	BOROSAPRISTS
AXERH	RHODUXERALFS	HSACR	CRYOSAPRISTS
DARDU	DURARGIDS	HSAME	MEDISAPRISTS
DARHA	HAPLARGIDS	HSATR	TROPOSAPRISTS
DARND	NADURARGIDS	IANCR	CRYANDEPTS
DARNT	NATRARGIDS	IANDU	DURANDEPTS
DARPA	PALEARIDS	IANDY	DYSTRANDEPTS
DORCL	CALCIORTHIDS	IANEU	EUTRANDEPTS
DORCM	CAMBORTHIDS	IANHY	HYDRANDEPTS
DORDU	DURORTHIDS	IANPK	PLACANDEPTS
DORGY	GYPSIORTHIDS	IANVI	VITRANDEPTS
DORPA	PALEORTHIDS	IAQAN	ANDANDEPTS
DORSA	SALORTHIDS	IAQCR	CRYANDEPTS
EAQCR	CRYAQUEPTS	IAQFR	FRAGIAQUEPTS
EAQFL	FLUVAQUEPTS	IAQHL	HALAQUEPTS
EAQHA	HAPLAQUEPTS	IAQHP	HAPLAQUEPTS
EAQHY	HYDRAQUEPTS	IAQHU	HUMAQUEPTS
EAQPS	PSAMMAQUEPTS	IAQOK	PLACAQUEPTS
EAQSU	SULFAQUEPTS	IAQPN	PLINTHAQUEPTS
EAQTR	TROPAQUEPTS	IAQSU	SULFAQUEPTS
EARAR	ARENTS	IAQTR	TROPAQUEPTS
EFLCR	CRYOFLUVENTS	IOCCR	CRYOCHREPTS

SOIL RESOURCE DATA SET

RECORD NO. 58

PG. 2/2

DATA ELEMENT NAME: SOIL CLASSIFICATION, GREAT GROUP

CODES:

IOCDU	DUROCHREPTS	VTOTO	TORRERTS
IOCDY	DYSTROCHREPTS	VUDCH	CHROMUDERTS
IOCEU	EUTROCHREPTS	VUDPE	EPLLUDERTS
ICOFR	FRAGIOCHREPTS	VUSCH	CHROMUSTERTS
IOCUS	USTOCHREPTS	VUSPE	PELLUSTERTS
IOCXF	XEROCHREPTS	VXECH	CHROMOXERETS
IPLPL	PLAGGEPTS	VXEPE	PELLOXERERTS
ITRDY	DYSTROPEPTS		
ITREU	EUTROPEPTS		
ITRHU	HUMITROPEPTS		
ITRSO	SOMBRITROPEPTS		
ITRUS	USTROPEPTS		
IUMCR	CRYUMBREPTS		
IUMFR	FRAGIUMBREPTS		
IUMHA	HAPLUMBREPTS		
IUMXF	XERUMEREPTS		
MALAR	ARGIALBOLLS		
MALNA	NATRALBOLLS		
MAQAR	ARGIAQUOLLS		
MAQCA	CALCIAQUOLLS		
MAQCR	CRYAQUOLLS		
MAQDU	DURAQUOLLS		
MBOAR	ARGIBOROLLS		
MBOCA	CALCIBOROLLS		
MBOCR	CRYOBOROLLS		
MBOHA	HAPLOBOROLLS		
MBONA	NATRIBOROLLS		
MBOPA	PALEBOROLLS		
MBOVE	VERMIBOROLLS		
MRERE	RENDOLLS		
SORPK	PLACORTHODS		
SORTR	TROPORTHODS		
UAQAL	ALBAQUULTS		
UAQFR	FRAGIAQUULTS		
UAQOC	OCHRAQUULTS		
UAQPA	PALEQUULTS		
UAQPN	PLINTHAQUULTS		
UAQTR	TROPAQUULTS		
UAQUM	UMBRAQUULTS		
UHUHA	HAPLOHUMULTS		
UHUPA	PALEHUMULTS		
UHUPN	PLINTHOHUMULTS		
UHUSO	SOMBRIHUMULTS		
UHUTR	TROPOHUMULTS		
UUDFR	FRAGIUDULTS		
UUDHA	HAPLUDULTS		
UUDPA	PALEUDULTS		
UUDPN	PLINTHUDULTS		
UUDRH	RHODUDULTS		
UUDTR	TROPUDULTS		
UUSHA	HAPLUSTULTS		
UUSPA	PALEUSTULTS		
UUSPN	PLINTHUSTULTS		
UUSRH	RHODUSTULTS		
UXEHA	HAPLOXERULTS		
UXEPA	PALEXERULTS		

THIS PAGE INTENTIONALLY BLANK

Data Set Name: SOIL RESOURCE:

RECORD : 59

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL CLASSIFICATION ORDERS:

Source of Information: NCSS, TAX AH 436:

Form:NONE:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :I:

New/RW/Accept:2:

1 - New Element

Data Element Number:4687:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:

:

:

Element definition:

:THE SYSTEMATIC ARRANGEMENT OF SOILS INTO CATEGORIES

:(ORDERS) ON BASIS OF THEIR CHARACTERISTICS

:FOR TAXONOMIC AND PEDOLOGIC CLASSIFICATION.

:NAME ENDS IN "SOL" WITH THE CONNECTING VOWELS "O" OR "I".

:NAME CONTAINS A FORMATIVE ELEMENT THAT ARE

:USED AS ENDINGS FOR SUBORDERS, GREAT GROUPS AND SUBGROUP NAMES.

:

:

:

:THIS IS THE HIGHEST CATEGORY (FIRST LEVEL) OF THE NATIONAL SOIL

:CLASSIFICATION SYSTEM.

:IT IS SUBDIVIDED INTO SUBORDERS.

:

:

:

:

:

Data Standards:

:ONE CHARACTER ALPHABETIC CODE

:

:

:

:

:

:

Codes:

:SEE ATTACHED SHEET FOR 11 CODES

:

:

:

:

:

:

User Fields:

SOIL RESOURCE DATA SET

RECORD NO. 59

DATA ELEMENT NAME: SOIL CLASSIFICATION, ORDERS

CODES:

A	ALFISOLS
N	ANDISOLS
D	ARIDISOLS
E	ENTISOLS
H	HISTOSOLS
I	INCEPTISOLS
M	MOLLISOLS
O	OXISOLS
S	SPODOSOLS
U	ULTISOLS
V	VERTISOLS

Data Set Name: SOIL RESOURCE:

RECORD : 60

Field Length:80:

Authority:FLPMA NCSS:

Data Element Name: SOIL CLASSIFICATION PHASE:

Source of Information: NCSS, NSH,7/83,DRD:

Form:NONE:

Frequency of Use:2M: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :I:

New/RW/Accept:2: 1 - New Element

Data Element Number:4649:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:

:

:

Element definition:

:A DIVISION OF A SOIL SERIES OR OTHER UNIT OF TAXONOMIC

:CLASSIFICATION BASED ON CHARACTERISTICS THAT AFFECT THE USE AND

:MANAGEMENT OF THE SOIL, BUT WHICH DO NOT VARY SUFFICIENTLY TO

:DIFFERENTIATE IT AS A SEPARATE SERIES OR OTHER UNIT OF

:TAXONOMIC CLASSIFICATION.

:DENOTES A VARIATION IN PROPERTY OR CHARACTERISTIC SUCH AS

:TEXTURE OF SURFACE LAYER OR TEXTURE MODIFIER.

:DEGREE OF EROSION, SALINITY, SODICITY, ETC.

:

:

:A SEPARATE RANGE SITE AT THE SERIES LEVEL JUSTIFIES A PHASE OF

:SOIL SERIES.

:

:

:

:

:

Data Standards:

:UP TO 80 CHARACTER ALPHABETIC NAME

:THE NAME GIVEN IS IDENTIFIED BY MODIFYING THE SOIL SERIES NAME

:OF THE ESTABLISHED SERIES THAT IS MOST SIMILAR IN CHARACTERISTICS:

:AND ADDING MODIFIER OF THE MOST LIMITING CHARACTERISTIC, E.G.,

:ANTHONY, DEEP, ETC.

:

:

Codes:

:ENTER ACTUAL NAME

:

:

:

:

:

:

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD: 61

Field Length:80:

Authority:FLPMA NCSS:

Data Element Name: SOIL CLASSIFICATION PHASE OTHER:

Source of Information: NCSS, NSH602 P.64-70:

Form:SOI-5 & 6:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number:4993:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:A DIVISION OF A SOIL SERIES BASED ON CHARACTERISTICS OTHER
:THAN TEXTURE AND/OR SLOPE, THAT AFFECT THE USE AND MANAGEMENT OF
:THE SOIL, BUT WHICH DO NOT VARY SUFFICIENTLY TO DIFFERENTIATE IT
:AS A SEPARATE SERIES.
:SELECTION IS BASED ON THE PROPERTY OR CHARACTERISTICS WHICH HAS
:THE GREATEST IMPACT ON USE OF THE SOIL.
:INCLUDES ERODED, DEPOSITIONAL, DEPTH, SUBSTRATUM, SALINE, SODIC,
:PHYSIOGRAPHIC, CLIMATIC AND OTHER.
:NAMING BASED ON NEED TO DISTINGUISH FROM OTHER SOIL SERIES FOR
:PREDICTION OF SOIL USE, MANAGEMENT, OR RESPONSE TO MANAGEMENT
:IN A SURVEY AREA OR A PROJECT AREA.

Data Standards:

:UP TO 80 CHARACTER ALPHABETIC NAME
:THE NAME GIVEN IS IDENTIFIED BY MODIFYING THE SOIL SERIES NAME
:OF THE ESTABLISHED SERIES THAT IS MOST SIMILAR IN CHARACTERISTICS
:AND ADDING MODIFIER: E.G., PHOENIX SALINE; PHOENIX LOAM, ERODED,
:ETC.

Codes:

:ENTER ACTUAL NAME

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 62

Field Length:80:

Authority:FLPMA NCSS:

Data Element Name: SOIL CLASSIFICATION PHASE SLOPE:

Source of Information: NCSS, NSH, 7/83.DRD:

Form:NONE:

Frequency of Use:2M: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:

:

:

Element definition:

:A DIVISION OF A SOIL SERIES OR OTHER UNIT OF TAXONOMIC

:CLASSIFICATION BASED ON CHARACTERISTICS SLOPE DIFFERENCES THAT

:AFFECT THE USE AND MANAGEMENT OF THE SOIL. BUT WHICH DO NOT VARY

:SUFFICIENTLY TO DIFFERENTIATE IT AS A SEPARATE SERIES OR OTHER

:UNIT OF TAXONOMIC CLASSIFICATION.

:IN EACH SURVEY, THE LIMITS OF SLOPE PHASES ARE BASED ON DATA OR

:EXPERIENCE INDICATING THAT THIS SET OF LIMITS MAKES THE MOST

:USEFUL DISTINCTIONS FOR EACH KIND OF SOIL.

:

:

:

:

:

:

:RELATED TO DATA ELEMENT: SLOPE CLASS

:

:

:

Data Standards:

:UP TO 80 CHARACTER ALPHANUMERIC NAME

:THE NAME GIVEN IS IDENTIFIED BY MODIFYING THE SOIL SERIES NAME

:OF THE ESTABLISHED SERIES THAT IS MOST SIMILAR IN CHARACTERISTICS:

:AND ADDING SLOPE MODIFIER, E.G., CARS GRAVELLY LOAM, 8 TO 16

:PERCENT SLOPES; CARS GRAVELLY LOAM, STRONGLY SLOPING.

:

:

Codes:

:ENTER ACTUAL NAME

:

:

:

:

:

:

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD: 63

Field Length:80:

Authority:FLPMA NCSS:

Data Element Name: SOIL CLASSIFICATION PHASE TEXTURE CLASS:

Source of Information: NCSS. NSH602 P.57-61:

Form:SCS232,5&6:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

Print this record? :T:

G - Data General

O - Other

New/RW/Accept:2:

1 - New Element

Data Element Number:4991:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No. not developed

D - Discretionary

Descriptive Element Name:

:SOIL CLASSIFICATION. PHASE. TEXTURE CLASS

Element definition:

:A DIVISION OF A SOIL SERIES OR OTHER UNIT OF TAXONOMIC
:CLASSIFICATION BASED ON CHARACTERISTICS OF THE SURFACE LAYER
:TEXTURE THAT AFFECTS THE USE AND MANAGEMENT OF THE SOIL, BUT
:WHICH DO NOT VARY SUFFICIENTLY TO DIFFERENTIATE IT AS A
:SEPARATE SERIES OR OTHER UNIT OF TAXONOMIC CLASSIFICATION.

:RELATED TO DATA ELEMENT: SOIL CLASSIFICATION PHASE TEXTURE
:MODIFIER

:SOIL TEXTURE CLASS FINE EARTH FRACTION
:SOIL TEXTURE CLASS MODIFIER

Data Standards:

:UP TO 80 CHARACTER ALPHABETIC NAME
:THE NAME GIVEN IS IDENTIFIED BY MODIFYING THE SOIL SERIES NAME
:OF THE ESTABLISHED SERIES THAT IS MOST SIMILAR IN CHARACTERISTICS:
:AND ADDING SOIL CLASSIFICATION. PHASE. TEXTURE. MODIFIER.
:E.G., CARS SANDY LOAM. CARS SANDY CLAY LOAM.

Codes:

:ENTER ACTUAL NAME

:NOTE: THESE CODES NEED TO BE UPDATED BEFORE IMPLEMENTATION

SOURCE: KEYS TO SOIL TAXONOMY BY SOIL SURVEY STAFF

SMSS TECHNICAL MONOGRAPH NO. 19

VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY:

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 64

Field Length:3:

Authority:FLPMA NCSS:

Data Element Name: SOIL CLASSIFICATION PHASE TEXTURE MOD:

Source of Information: NCSS, PEDON 60P39:

Form:SCS232,5&6:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:2:

1 - New Element

Data Element Number:4992:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL CLASSIFICATION, PHASE, TEXTURE MODIFIER

:

:

Element definition:

:A NAME MODIFIER FOR A DIVISION OF A SOIL SERIES OR OTHER UNIT OF

:TAXONOMIC CLASSIFICATION BASED ON CHARACTERISTICS OF THE SOIL

:HORIZON TEXTURE MODIFIED BY ROCK FRAGMENT SIZE AND SHAPE

:THAT AFFECT THE USE AND MANAGEMENT OF THE SOIL, BUT WHICH DO NOT

:VARY SUFFICIENTLY TO DIFFERENTIATE IT AS A SEPARATE SERIES

:OR OTHER UNIT OF TAXONOMIC CLASSIFICATION.

:

:

:THIS IS A SUBDIVISION OF PARTLY

:THIS IS THE MAIN LEVEL OF THE NATIONAL SOIL

:CLASSIFICATION SYSTEM.

:IT IS COMMONLY SUBDIVIDED INTO PHASES.

:

:RELATED TO DATA ELEMENT: SOIL CLASSIFICATION PHASE TEXTURE
MODIFIER

:SOIL TEXTURE CLASS FINE EARTH FRACTION

:SOIL TEXTURE CLASS MODIFIER

Data Standards:

:TWO OR THREE CHARACTER ALPHABETIC CODE

:

:

:

:

:

:

:

Codes:

:SEE ATTACHED SHEET FOR 39 CODES

:

:

:

:

:

:

:

User Fields:

SOIL RESOURCE DATA SET

RECORD NO. 64

DATA ELEMENT NAME: SOIL CLASSIFICATION, PHASE, TEXTURE MODIFIER

CODES:

AY	Ashy
BY	Bouldery
BYV	Very bouldery
BYX	Extremely bouldery
CB	Cobbly
CBA	Angular cobbly
CBV	Very cobbly
CBX	Extremely Cobbly
CN	Channery
CNV	Very channery
CNX	Extremely Channery
CR	Cherty
CRC	Coarse cherty
CRV	Very cherty
CRX	Extremely Cherty
CY	Cindery
FL	Flaggy
FLV	Very flaggy
FLX	Extremely Flaggy
GR	Gravelly
GRC	Coarse gravelly
GRF	Fine gravelly
GRV	Very gravelly
GRX	Extremely Gravelly
GY	Gritty
GYV	Very gritty
MK	Mucky
PT	Peaty
RB	Rubbly
SH	Shaly
SHV	Very shaly
SHX	Extremely Shaly
SR	Stratified
ST	Stony
STV	Very stony
STX	Extremely stony
SY	Slaty
SYV	Very slaty
SYX	Extremely Slaty

Data Set Name: SOIL RESOURCE:

RECORD : 65

Field Length:28:

Authority:FLPMA NCSS:

Data Element Name: SOIL CLASSIFICATION SERIES:

Source of Information: NCSS, SSM, NSH:

Form:MANY:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2:

1 - New Element

Data Element Number:4683:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:
:
:

:
:
:

Element definition:

: THE SYSTEMATIC ARRANGEMENT OF SOILS INTO CATEGORIES
: (SOIL SERIES) ON THE BASIS OF HAVING HORIZONS SIMILAR IN
: DIFFERENTIATING CHARACTERISTICS AND ARRANGEMENT IN THE SOIL
: PROFILE, EXCEPT FOR TEXTURE OF THE SOIL SURFACE,
: FOR TAXONOMIC AND PEDOLOGIC CLASSIFICATION.

: THIS IS A SUBDIVISION OF FAMILY
: THIS IS THE SIXTH LEVEL OF THE NATIONAL SOIL
: CLASSIFICATION SYSTEM.
: IT IS COMMONLY SUBDIVIDED INTO PHASES.

Data Standards:

: UP TO 28 CHARACTER ALPHANUMERIC NAME

Codes:

: ENTER ACTUAL NAME

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 66

Field Length:250:

Authority:FLPMA NCSS:

Data Element Name: SOIL CLASSIFICATION SERIES CHARACTER:

Source of Information: NSH, SSM, NRH, OSD:

Form:SCS-OSD:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:U:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element
2 - Rewrite Previous
3 - Accept Previous

Data Element Number: :

Standards:Y: Y - YES, ESTABLISHED
N - No, not developed

Data Category:C: C - CORPORATE
D - Discretionary

Descriptive Element Name:

:SOIL CLASSIFICATION, SERIES, RANGE OF CHARACTERISTICS

Element definition:

:DERIVED DATA FROM OTHER DATA ELEMENTS TO DETERMINE RANGE OF SOIL :
:CHARACTERISTICS SUCH AS COLOR, TEXTURE, HORIZON THICKNESS, AND :
:OTHERS. :

:RELATED TO DATA ELEMENT: SOIL CLASSIFICATION SERIES

Data Standards:

:ALPHANUMERIC NARRATIVE TEXT BY CHARACTERISTIC

Codes:

:ENTER NARRATIVE TEXT

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD: 67

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL CLASSIFICATION SERIES NAME STATUS:

Source of Information: NSHP602-7,SSM10P8:

Form:SCS-SOI-5:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number:4690:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL CLASSIFICATION. SERIES, NAME, STATUS

:

:

Element definition:

:THE PRESENT STATUS OF A SOIL SERIES NAME AS

:USED FOR CLASSIFICATION AND SOIL MAPPING.

:

:

:

:

:

:

:

:

:

:

:

:

:RELATED TO DATA ELEMENT: SOIL CLASSIFICATION SERIES

:

:

:

:

Data Standards:

:ONE CHARACTER ALPHABETIC CODE

:

:

:

:

:

:

Codes:

:E = ESTABLISHED (NAME ESTABLISHED BY SCS)

:T = TENTATIVE (NAME TENTATIVELY ASSIGNED BY SCS)

:I = INACTIVE

:P = PROPOSED (NAME PROPOSED BY BLM, SCS, OR OTHERS)

:

:

:

User Fields:

:

:

:

Data Set Name: SOIL RESOURCE:

RECORD : 62

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL CLASSIFICATION SUBGROUP:

Source of Information: NCSS, TAX AH 436:

Form:NONE:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE SYSTEMATIC ARRANGEMENT OF SOILS INTO CATEGORIES

:(SUBGROUPS) ON THE BASIS OF THEIR CHARACTERISTICS

:FOR TAXONOMIC AND PEDOLOGIC CLASSIFICATION.

:NAME CONSISTS OF THE NAME OF A GREAT GROUP MODIFIED BY ONE OR

:MORE ADJECTIVES.

:THIS IS A SUBDIVISION OF GREAT GROUP.

:IT IS THE FOURTH LEVEL OF CLASSIFICATION.

:IT IS SUBDIVIDED INTO FAMILIES.

Data Standards:

:TWO OR FOUR DIGIT ALPHANUMERIC CODE

Codes:

:SEE ATTACHED SHEET FOR 233 CODES

User Fields:

SOIL RESOURCE DATA SET

RECORD NO. 68

PG. 1/5

DATA ELEMENT NAME: SOIL CLASSIFICATION, SUBGROUP

CODES:

AA	TYPIC
AB	ABRUPTIC
AB04	ABRUPTIC ARIDIC
AB08	ABRUPTIC CRYIC
AB10	ABRUPTIC HAPLIC
AB16	ABRUPTIC XEPOLLIC
AE	AERIC
AE03	AERIC ARENIC
AE05	AERIC GROSSARENIC
AE06	AERIC HUMIC
AE08	AERIC MOLLIC
AE09	AERIC TROPIC
AE10	AERIC UMBRIC
AE12	AERIC XERIC
AL	ALBAQUIC
AL02	ALBAQUULTIC
AL04	ALBIC
AL08	ALBIC GLOSSIC
AL10	ALFIC
AL12	ALFIC ARENIC
AL13	ALFIC ANDEPTIC
AL16	ALFIC LITHIC
AN	ANDIC
AN01	ANDEPTIC
AN03	ANDAQUIC
AN06	ANDIC DYSTRIC
AN11	ANDEPTIC GLOSSOBORI
AN22	ANDIC USTIC
AN24	ANDAQUEPTIC
AN30	ANTHROPIC
AQ	AQUALFIC
AQ02	AQUENTIC
AQ04	AQUEPTIC
AQ06	AQUIC
AQ08	AQUIC ARENIC
AQ14	AQUIC DURIC
AQ16	AWUIC DURORTHIDIC
AQ18	AQUIC DYSTRIC
AQ24	AQUIC HAPLIC
AQ26	AQUIC LITHIC
AQ31	AQUIC PSAMMENTIC
AQ34	AQUOLLIC
AQ36	AQUULTIC
AR	ARENIC
AR02	ARENIC ARIDIC
AR03	ARENIC ORTHOXIC
AR04	ARENIC PLINTHAQUIC
AR06	ARENIC PLINTHIC
AR08	ARENIC RHODIC
AR10	ARENIC ULTIC
AR14	ARENIC UMBRIC
AR16	ARENIC USTALFIC
AR18	ARENIC USTOLLIC
AR22	ARGIAQUIC
AR24	ARGIAQUIC XERIC
AR26	ARGIC

SOIL RESOURCE DATA SET

RECORD NO. 68

PG. 2/5

DATA ELEMENT NAME: SOIL CLASSIFICATION, SUBGROUP

CODES:

AR28	ARGIC LITHIC
AR30	ARGIC PACHIC
AR32	ARGIC VERTIC
AR34	ARIDIC
AR36	ARIDIC CALCIC
AR42	ARIDIC DURIC
AR50	ARIDIC PACHIC
AR52	ARIDIC PETROCALCIC
BO	BORALFIC
BO02	BORALFIC LITHIC
BO04	BORALFIC UDIC
BO06	BOROLIC
BO08	BOROLIC GLOSSIC
BO10	BOROLIC LITHIC
BO12	BOROLIC VERTIC
CA	CALCIC
CA04	CALCIC PACHIC
CA06	CALCIORTHIDIC
CA10	CALCIXEROLIC
CA20	CAMBIC
CH	CHROMUDIC
RD	CRYIC
CR10	CRYIC LITHIC
CRI4	CRYIC PACHIC
CU	CUMULIC
CU02	CUMULIC UDIC
CU04	CUMULIC ULTIC
DU	DURARGIDIC
DU02	DURIC
DU08	DURIXEROLIC
DUI0	DURIXEROLIC LITHIC
DU12	DURORTHIDIC
DU14	DURORTHIDIC XERIC
DULL	DUROCHREPTIC
DY02	DYSTRIC
DY03	DYSTRIC ENTIC
DY04	DYSTRIC FLUVENTIC
DY06	DYSTRIC LITHIC
DY08	DYSTROPEPTIC
EN	ENTIC
EN02	ENTIC LITHIC
EN06	ENTIC ULTIC
EP	EPIAQUIC
EP10	EPIAQUIC ORTHOXIC
EU	EUTRIC
EU02	EUTROCHREPTIC
EU04	EUTROPEPTIC
FE	FERRUDALFIC
FI	FIBRIC
FI02	FLUQUENTIC
FL06	FLUVENTIC
FL12	FLUVENTIC UMBRIC
FR10	FRAGIAQUIC
FR18	FRAGIC
GL02	GLOSSAQUIC
GL04	GLOSSIC

SOIL RESOURCE DATA SET

RECORD NO. 68

PG. 3/5

DATA ELEMENT NAME: SOIL CLASSIFICATION, SUBGROUP

CODES:

GL10	GLOSSIC UDIC
LG12	GLOSSIC USTOLIC
GL14	GLOSOBORALFIC
GL16	GLOSSOROBRIC
GR	GROSSARENIC
GR01	GROSSARENIC ENTIC
GR04	GROSSARENIC PLINTHIC
HA	HAPLAQUODIC
HA01	HAPLAQUIC
HA02	HAPLIC
HA05	HAPLOHUMIC
HA07	HAPLOXEROLIC
HA09	HAPLUDIC
HA12	HAPLUDOLIC
HA16	HAPLUSTOLIC
HE	HEMIC
HE02	HEMIC TERRIC
HI	HISTIC
HI02	HISTIC LITHIC
HI06	HISTIC PERGELIC
HU	HUMIC
HU92	HUMIC LITHIC
HU05	HUMIC PERGELIC
HU06	HUMOXIC
HU10	HUMAQUEPTIC
HY	HYDRIC
HY02	HYDRIC LITHIC
LE	LEPTIC
LI	LIMNIC
LI02	LITHIC
LI04	LITHIC MOLLIC
LI06	LITHIC RUPTIC-ALFIC
LI07	LITHIC RUPTIC-ARGIC
LI08	LITHIC RUPTIC-ENTIC XEROLIC
LI09	LITHIC RUPTIC-ENTIC
LI10	LITHIC UDIC
LI11	LITHIC RUPTIC-XERORTHENTIC
LI12	LITHIC ULTIC
LI13	LITHIC RUPTIC-ULTIC
LI14	LITHIC UMBRIC
LI15	LITHIC RUPTIC-XEROCHREPTIC
LI16	LITHIC USTIC
LI18	LITHIC USTOLIC
LI20	LITHIC VERITC
LI22	LITHIC XERIC
LI24	LITHEC XEROLIC
MO	MOLLIC
NA06	NATRIC
OC	OCHREPTIC
OR	ORTHIDIC
OR01	ORTHIC
OR02	ORTHOXIC
OX	OXIC
PA	PACHIC
PA02	PACHIC UDIC
PA04	PALEORTHIDIC

SOIL RESOURCE DATA SET

RECORD NO. 68

PG. 4/5

DATA ELEMENT NAME: SOIL CLASSIFICATION, SUBGROUP

CODES:

PA08	PALEUSTOLIC
PA10	PALEXEROLIC
PA20	PARALITHIC VERTIC
PE	PERGELIC
PE01	PERGELIC RUPTIC-HISTIC
PE02	PERGELIC SIDERIC
PE04	PETROCALCIC
PE06	PETROCALCIC USTALFIC
PE08	PETROCALCIC USTOLIC
PE14	PETROCALCIC XEROLIC
PE16	PETROFERRIC
PE20	PETROGPYSIC
PK	PLACIC
PX10	PLAGGEPTIC
PK12	PLAGGIC
PL	PLINTHAQUIC
PL04	PLINTHIC
PL06	PLINTHUDIC
PS	PSAMMAQUENTIC
PS02	PSAMMETIC
QU	QUARTZIPSAMMENTIC
RE	RENDOLIC
RH	RHODIC
RU02	RUPTIC-ALFIC
RU09	RUPTIC-LITHIC
RU11	RUPTIC-LITHIC-ENTIC
RU15	RUPTIC-LITHIC-XEROCH REPTIC
RU17	RUPTIC-ULTIC
RU19	RUPTIC-VERTIC
SA	SALORTHIDIC
SA02	SAPIC
SA04	SAPIC TERRIC
SI	SIDFRIC
SO04	SOMBRIHUMIC
SP	SPHAGNIC
SP02	SPHAGNIC TERRIC
SP04	SPODIC
SU	SULFIC
TE	ERRIC
TH04	THAPTO-HISTIC
TH06	THAPTO-HISTIC TROPIC
TO	TORRERTIC
TO02	TORRIFLUVENTIC
TO04	TROPIC
UD	UDERTIC
UD01	UDALFIC
UD02	UDIC
UD03	UDOLIC
UD05	UDORTHENTIC
UD10	UDOXIC
UL	ULTIC
UM	UMBREPTIC
UM02	UMBRIC
US	USTALFIC
US02	USTERTIC
US04	USTIC

SOIL RESOURCE DATA SET

RECORD NO. 68

PG. 5/5

DATA ELEMENT NAME: SOIL CLASSIFICATION, SUBGROUP

CODES:

US06	USTOCHREPTS
US08	USTOLLIC
US12	USTOXC
VE	VERMIC
VE02	VERTIC
XE	XERALFIC
XE02	XERERTIC
SE04	XERIC
XE08	XEROLLIC

Data Set Name: SOIL RESOURCE:

RECORD : 69

Field Length:3:

Authority:FLPMA NCSS:

Data Element Name: SOIL CLASSIFICATION SUBORDERS:

Source of Information: NCSS, TAX AH 436:

Form:NONE:

Frequency of Use:2M: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element
2 - Rewrite Previous
3 - Accept Previous

Data Element Number: :

Standards:Y: Y - YES, ESTABLISHED
N - No, not developed

Data Category:C: C - CORPORATE
D - Discretionary

Descriptive Element Name:

Element definition:

:THE SYSTEMATIC ARRANGEMENT OF SOIL INTO CATEGORIES
:(SUBORDERS) ON THE BASIS OF THEIR CHARACTERISTICS
:FOR TAXONOMIC AND PEDOLOGIC CLASSIFICATION.
:NAME CONSISTS OF EXACTLY TWO PARTS (SYLLABLES). THE FIRST PART
:(SYLLABLE) DENOTES THE DIAGNOSTIC PROPERTIES OF THE SOIL.
:THE SECOND IS THE FORMATIVE ELEMENT FROM THE NAME OF THE ORDER.
:
:THIS IS A SUBDIVISION OF ORDER.
:IT IS THE SECOND LEVEL OF CLASSIFICATION.
:IT IS SUBDIVIDED INTO GREAT GROUPS.

Data Standards:

:THREE CHARACTER ALPHABETIC CODE

Codes:

:SEE ATTACHED SHEET FOR 47 CODES

(ADD ANDISOLS)

:NOTE: THESE CODES NEED TO BE UPDATED BEFORE IMPLEMENTATION

SOURCE: KEYS TO SOIL TAXONOMY BY SOIL SURVEY STAFF

SMSS TECHNICAL MONOGRAPH NO. 19

VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY:

User Fields:

SOIL RESOURCE DATA SET

RECORD NO. 69

DATA ELEMENT NAME: SOIL CLASSIFICATION, SUBORDERS

CODES:

MAQ	AQUOLLS	AAQ	AQUALFS
MBO	BOROLLS	ABO	BORALFS
MRE	RENDOLLS	AUD	UDALFS
MUD	UDOLLS	AUS	USTALFS
MUS	USTOLLS	AXE	XERALFS
MXE	XEROLLS	DAR	ARGIDS
OAQ	AQUOX	DOR	ORTHIDS
OHU	HUMOX	EAQ	AQUENTS
OOR	ORTHOX	EAR	ARENTS
OTO	TORROX	EFL	FLUVENTS
OUS	USTOX	EOR	ORTHENTS
SAQ	AQUODS	EPS	PSAMMENTS
SFE	FERRODS	HFI	FIBRISTS
SHU	HUMODS	HFO	FOLISTS
SOR	ORTHODS	HHE	HEMISTS
UAQ	AQUULTS	HSA	APRISTS
UHU	HUMULTS	IAN	ANDEPTS
UUD	UDULTS	IAQ	AQUEPT
UUS	USTULTS	IOC	OCHREPTS
UXE	XERULTS	IPL	PLAGGEPTS
VTD	TORRERTS	ITR	TROPEPTS
VUD	UDERTS	IUM	UMBREPTS
VUS	USTERTS	MAL	ALBOLLS
VXE	XERERTS		

Data Set Name: SOIL RESOURCE:

RECORD : 70

Field Length:2:

Authority:FLPMA NCSS:

Data Element Name: SOIL CLASSIFICATION UNIFIED:

Source of Information: NCSS, NSH P.603-7:

Form:SCS-SOI-5:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number:4523:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

: A CLASSIFICATION SYSTEM USED TO GROUP SIMILAR MINERAL AND
: ORGANIC-MINERAL SOILS FOR ENGINEERING PURPOSES BASED ON PARTICLE
: SIZE DISTRIBUTION. PLASTICITY, LIQUID LIMIT, AND ORGANIC MATTER.

: SOILS ARE GROUPED INTO 15 CLASSES:

: 8 CLASSES ARE COARSE-GRAINED,

: 6 CLASSES ARE FINE-GRAINED, AND

: 1 CLASS OF HIGHLY ORGANIC SOIL.

Data Standards:

: TWO CHARACTER ALPHABETIC CODE

Codes:

: SEE ATTACHED SHEET FOR 15 CODES

User Fields:

SOIL RESOURCE DATA SET

RECORD NO. 70

DATA ELEMENT NAME: SOIL CLASSIFICATION, UNIFIED

CODES:

GW	CLEAN WELL GRADED GRAVEL
GP	CLEAN POOR GRADED GRAVEL
GM	DIRTY GRAVEL WITH LOW CLAY
GC	DIRTY GRAVEL WITH CLAY
SW	CLEAN WELL GRADED SANDS
SP	CLEAN POOR GRADED SANDS
SM	DIRTY SANDS WITH LOW CLAY
SC	DIRTY SANDS WITH CLAY
ML	SILTY LOW CLAY
CL	SILTY WITH SOME CLAY
OL	ORGANIC WITH LOW CLAY
MH	SILTY WITH MODERATE CLAY
CH	SILTY WITH HIGH CLAY
OH	ORGANIC WITH HIGH CLAY
PT	HIGHLY ORGANIC SOILS

Data Set Name: SOIL RESOURCE:

RECORD : 71

Field Length:2:

Authority:FLPMA NCSS:

Data Element Name: SOIL CLAY FILMS FREQUENCY:

Source of Information: NCSS, SSM:

Form:SCS-232:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1:

1 - New Element

Data Element Number:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

: A GENERAL DESCRIPTIVE TERM FOR THE AMOUNT OF
: CLAY FILMS OCCURRING IN THE SOIL.

Data Standards:

: ONE OR TWO CHARACTER ALPHANUMERIC CODE

Codes:

: V1 = VERY FEW

: 1 = FEW

: 2 = COMMON

: 3 = MANY

: 4 = CONTINUOUS

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 73

Field Length:2:

Authority:FLPMA NCSS:

Data Element Name: SOIL CLAY FILMS THICKNESS:

Source of Information: NCSS, SSM:

Form:SCS-232:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:A GENERAL DESCRIPTIVE TERM FOR AN

:APPROXIMATE THICKNESS OF CLAY FILMS OCCURRING IN THE SOIL.

Data Standards:

:ONE OR TWO CHARACTER ALPHABETIC CODE

Codes:

:N = THIN

:MK = MODERATELY THICK

:K = THICK

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 75

Field Length:9:

Authority:FLPMA NCSS:

Data Element Name: SOIL COLOR DRY:

Source of Information: NCSS, SSM4P60:

Form:SCS-232:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :I:

New/RW/Accept:2: 1 - New Element

Data Element Number:4535:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:A CLASSIFICATION SYSTEM WHICH INDICATES SOIL COLOR

:UNDER DRY SOIL CONDITIONS ASSOCIATED WITH A SPECIFIC HORIZON.

:INCLUDES ELEMENTS HUE, VALUE, AND CHROMA

:RELATED TO DATA ELEMENTS: SOIL COLOR HUE

SOIL COLOR VALUE

SOIL COLOR CHROMA

Data Standards:

:FOUR TO NINE CHARACTER ALPHANUMERIC CODE

:DETERMINED FROM VISUAL FIELD COMPARISON WITH MEASURED MUNSELL

:SOIL COLOR CHARTS.

Codes:

:ENTER ACTUAL CODE COMBINATION

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 76

Field Length:6:

Authority:FLPMA NCSS:

Data Element Name: SOIL COLOR HUE:

Source of Information: NCSS, SSM4P60:

Form:SCS-232:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

F - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:1:

1 - New Element

Data Element Number:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

: A CLASSIFICATION SYSTEM WHICH INDICATES THE HUE
:(THE QUALITY OF COLOR REGISTERED BY THE EYE AS RELATED TO THE
:WAVE LENGTH OF THE LIGHT THAT REACHES THE EYE. THE DOMINANT
:SPECTRAL COLOR) OF SOIL COLOR.

Data Standards:

:TWO TO SIX CHARACTER ALPHANUMERIC CODE
:
:DETERMINED BY VISUAL FIELD COMPARISON WITH MEASURED MUNSELL
:SOIL COLOR CHARTS.

Codes:

:SEE MUNSELL SOIL COLOR CHART

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD.: 77

Field Length:9:

Authority:FLPMA NCSS:

Data Element Name: SOIL COLOR MOIST:

Source of Information: MUNSELL COLOR CHART:

Form:SCS-232:

Frequency of Use:1M: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public. no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :I:

New/RW/Accept:2: 1 - New Element

Data Element Number:4689:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES. ESTABLISHED

Data Category:C: C - CORPORATE

N - No. not developed

D - Discretionary

Descriptive Element Name:

Element definition:

: A CLASSIFICATION SYSTEM WHICH INDICATES THE DOMINANT
: SOIL COLOR UNDER MOIST CONDITIONS ASSOCIATED WITH A SPECIFIC
: HORIZON.
: INCLUDES ELEMENTS HUE. VALUE. AND CHROMA.

: RELATED TO DATA ELEMENT: SOIL COLOR HUE
: SOIL COLOR VALUE
: SOIL COLOR CHROMA

Data Standards:

: FOUR TO NINE CHARACTER ALPHANUMERIC CODE

: DETERMINED FROM VISUAL FIELD COMPARISON WITH MEASURED MUNSELL
: SOIL COLOR CHARTS.

Codes:

: ENTER ACTUAL CODE COMBINATION

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 79

Field Length:2:

Authority:FLPMA NCSS:

Data Element Name: SOIL COLOR VALUE:

Source of Information: NCSS. SSM4P60:

Form:SCS-232:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:1:

1 - New Element

Data Element Number:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

: A CLASSIFICATION SYSTEM WHICH INDICATES THE VALUE

: (THE DEGREE OF LIGHTNESS OR DARKNESS REGISTERED BY THE EYE IN

: RELATION TO A NEUTRAL GRAY SCALE) OF SOIL COLOR.

Data Standards:

: ONE TO TWO DIGIT NUMERIC CODE

: VALUES RANGE FROM 1 TO 10

: DETERMINED BY VISUAL FIELD COMPARISON WITH MEASURED MUNSELL

: SOIL COLOR CHARTS.

Codes:

: SEE MUNSELL SOIL COLOR CHART

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 79

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL COMP CALCIUM CARBONATE PERCENT:

Source of Information: NCSS, SSM:

Form:SCS-SOI-5:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL COMPONENT, CALCIUM CARBONATE, PERCENT

Element definition:

:THE AMOUNT OF CALCIUM CARBONATES BY DRY WEIGHT COMPARED TO THE
:TOTAL SOIL DRY WEIGHT FOR THE FINE EARTH FRACTION (SOIL PARTICLES:
:LESS THAN 2 MILLIMETERS IN SIZE).

Data Standards:

:MEASURED IN PERCENT TO THE NEAREST TENTH.

:VALUES RANGE FROM 0.0 TO 99.9

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD.: 30

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL COMP CARBON-NITROGEN RATIO:

Source of Information: NCSS, SSM CHAPER 4:

Form:MANY:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 HoneyWell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :I:

New/RW/Accept:2:

1 - New Element

Data Element Number:4639:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL COMPONENT, CARBON-NITROGEN RATIO

:

:

Element definition:

:THE RATIO OF THE WEIGHT OF ORGANIC CARBON TO THE WEIGHT OF TOTAL

:NITROGEN IN THE SOIL OR IN ORGANIC MATERIAL.

:OBTAINED BY DIVIDING THE PERCENT OF TOTAL ORGANIC CARBON BY THE

:PERCENT OF TOTAL NITROGEN.

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

Data Standards:

:RATIO (E.G., 15:1)

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

Codes:

:ENTER ACTUAL RATIO

:

:

:

:

:

:

:

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 81

Field Length:2:

Authority:FLPMA NCSS:

Data Element Name: SOIL COMP CARBONATES EFFERVESCENCE:

Source of Information: NCSS, SSM4P91:

Form:SCS-232:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element Data Element Number:4694:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL COMPONENT, CARBONATES, EFFERVESCENCE

Element definition:

:A QUALITATIVE DESCRIPTIVE TERM FOR THE AMOUNT

:OF CARBONATES IN THE SOIL AS DISPLAYED BY THE VIOLENCE OF

:EFFERVESCENCE (BUBBLES) WHEN TREATED WITH A

:COLD 10 PERCENT SOLUTION OF HYDROCHLORIC ACID.

Data Standards:

:ONE OR TWO CHARACTER ALPHABETIC CODE

Codes:

:EO = VERY SLIGHTLY EFFERVESCENT (FEW BUBBLES SEEN)

:E = SLIGHTLY EFFERVESCENT (BUBBLES ARE READILY SEEN)

:ES = STRONGLY EFFERVESCENT (BUBBLES FORM A LOW FOAM)

:EV = VIOLENTLY EFFERVESCENT (THICK FOAM FORMS QUICKLY)

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 82

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL COMP FREE IRON PERCENT:

Source of Information: NCSS:

Form:SCS-232:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:3:

1 - New Element

Data Element Number:4609:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL COMPONENT, FREE IRON, PERCENT

:

:

Element definition:

:THE AMOUNT OF FREE IRON EXISTING IN A SOIL COMPARED TO

:THE TOTAL AMOUNT OF IRON IN THE SOIL.

:NORMALLY OCCURS AS DISCRETE PARTICLES, COATING ON SOIL MINERALS,

:OR AS CEMENT BETWEEN MINERAL PARTICLES.

:

:

:

:

:

:

:

:

:

:

:

:

:

Data Standards:

:MEASURED IN PERCENT TO THE NEAREST TENTH.

:VALUES RANGE FROM 0.0 TO 99.9

:

:

:

:

:

Codes:

:ENTER ACTUAL VALUE

:

:

:

:

:

:

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 83

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL COMP GYPSUM PERCENT:

Source of Information: NCSS, SSM:

Form:SCS-SOI-5:

Frequency of Use:2M: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL COMPONENT, GYPSUM, PERCENT

Element definition:

:THE AMOUNT OF GYPSUM IN THE SOIL CALCULATED BY DRY WEIGHT OF

:HYDRATED CALCIUM SULFATES COMPARED TO THE TOTAL SOIL DRY WEIGHT

:FOR THE FINE EARTH FRACTION (SOIL PARTICLES LESS THAN 2

:MILLIMETERS IN SIZE).

Data Standards:

:MEASURED IN PERCENT TO THE NEAREST TENTH.

:VALUES RANGE FROM 0.0 TO 99.9

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 84

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL COMP NITROGEN CONTENT PERCENT:

Source of Information: NT-931:

Form:NONE:

Frequency of Use:1M: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2:

1 - New Element

Data Element Number:4632:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y:

Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No. not developed

D - Discretionary

Descriptive Element Name:

:SOIL COMPONENT, NITROGEN CONTENT, PERCENT

:

:

Element definition:

:THE MEASURED AMOUNT OF NITROGEN CONTENT BY WEIGHT COMPARED TO

:TOTAL SOIL DRY WEIGHT CONTAINED IN A SAMPLE OF ORGANIC OR

:MINERAL SOIL.

:

:

:

:

:

:

:

:

:

:

:

:

Data Standards:

:MEASURED IN PERCENT TO THE NEAREST HUNDREDTH.

:VALUES RANGE FROM 0.00 TO 9.99

:MEASURED BY FIELD OR LAB ANALYSIS EITHER OF A SINGLE SOIL SAMPLE

:OR SAMPLE OF AN INDIVIDUAL HORIZON.

:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT SOIL MEASUREMENT

:TYPE, FIELD OR LAB TO IDENTIFY TYPE.

:

Codes:

:ENTER ACTUAL VALUE

:

:

:

:

:

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 87

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL COMP ORGANIC MATTER CONTENT:

Source of Information: NCSS, SSM, NSH603-36:

Form:SCS-232:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :I:

New/RW/Accept:1: 1 - New Element Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL COMPONENT, ORGANIC MATTER, CONTENT

:

:

Element definition:

:THE MEASURED AMOUNT OF THE ORGANIC FRACTION BY DRY WEIGHT

:COMPARED TO THE TOTAL SOIL DRY WEIGHT CONTENT FOR THE FINE EARTH

:PORTION (SOIL PARTICLES LESS THAN 2 MILLIMETERS IN SIZE).

:ORGANIC FRACTION INCLUDES PLANT AND ANIMAL RESIDUES AT VARIOUS

:STAGES OF DECOMPOSITION, CELLS AND TISSUES OF SOIL ORGANISMS AND

:SUBSTANCES SYNTHESIZED BY THE SOIL POPULATION.

:

:

:

:

:

:

:

:

:

:

:

:

Data Standards:

:MEASURED IN PERCENT TO THE NEAREST TENTH.

:VALUES RANGE FROM 0.0 TO 99.9

:

:

:

:

:

:

:

Codes:

:ENTER ACTUAL VALUE

:

:

:

:

:

:

:

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 88

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL COMPACTION HAZARD:

Source of Information: NCSS, SSM, NSH:

Form:NONE:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2:

1 - New Element

Data Element Number:4556:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:A GENERAL DESCRIPTIVE TERM FOR A SOILS

:SUSCEPTIBILITY TO A COMPACTIVE FORCE.

Data Standards:

:ONE DIGIT NUMERIC CODE

:VALUES RANGE FROM 1 TO 3

Codes:

:1 = SLIGHT

:2 = MODERATE

:3 = SEVERE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 93

Field Length:2:

Authority:FLPMA NCSS:

Data Element Name: SOIL CONSISTENCE FLUID:

Source of Information: NCSS, SSM4P83:

Form:SCS-232:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number:4538:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:A GENERAL DESCRIPTIVE TERM FOR THE BEHAVIOR OF SOILS THAT HAVE A :
:VERY LOW BEARING CAPACITY WHEN WET TO ACT AS A LIQUID BY FLOWING :
:UNDER PRESSURE. :

Data Standards:

:TWO CHARACTER ALPHABETIC CODE :
:DETERMINED BY FIELD OBSERVATION PROCEDURE :

Codes:

:SF = SLIGHTLY FLUID :
:VF = VERY FLUID :
: :
: :
: :
: :
: :

User Fields:

RECORD : 94

Authority:FLPMA NCSS:

Source of Information: NCSS, SSM4P41:

Frequency of Use: 1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Security:PUB:

PUB - Public, no restrictions

IPR - Internal Proprietary

IN - Internal Investigatory

IOT - Internal Other

Print this record? :T:

0 - Other

Data Element Number: 4538:

3 - Accept Previous

Data Category: C: C - CORPORATE

D - Discretionary

Element definition:

: BASED ON THE KIND AND DEGREE OF COHESION AND ADHESION AND THE

: RESISTANCE TO DEFORMATION OR RUPTURE OF A SOIL WHEN MOIST.

: TWO OR THREE CHARACTER ALPHABETIC CODE

:DETERMINED BY FIELD OBSERVATION PROCEDURE

```
:LO = LOOSE
```

: VFR = VERY FRIABLE

:FR = FRIABLE

:FI = FIRM

: VFI = VERY FIRM

:EFI = EXTREMELY FIRM

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 95

Field Length:2:

Authority:FLPMA NCSS:

Data Element Name: SOIL CONSISTENCE THIXOTROPY:

Source of Information: NCSS, SSM4P83:

Form:SCS-232:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number:4538:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:A GENERAL DESCRIPTIVE TERM FOR THE SOILS SMEARINESS. THIXOTROPY :

:IS THE PROPERTY EXHIBITED BY VARIOUS GELS OF BECOMING FLUID :

:WHEN DISTURBED AND OF SETTING AGAIN TO A GEL WHEN ALLOWED TO :

:STAND.

:THE MATERIAL HAS PROPERTIES OF A SOLID WHEN UNDISTURBED, BUT :

:PRESSURES CAUSES THE MATERIAL TO SMEAR.

Data Standards:

:TWO CHARACTER ALPHABETIC CODE

:DETERMINED BY FIELD OBSERVATION PROCEDURE

Codes:

:WS = WEAKLY SMEARY

:MS = MODERATELY SMEARY

:SS = STRONGLY SMEARY

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 96

Field Length:3: Authority:FLPMA NCSS:

Data Element Name: SOIL CONSISTENCE WET PLASTIC:

Source of Information: NCSS, SSM4P81:

Form:SCS-232:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number:4538:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:A GENERAL DESCRIPTIVE TERM FOR THE SOILS PLASTICITY BASED ON
:THE KIND AND DEGREE OF COHESION AND ADHESION AND THE
:RESISTANCE TO DEFORMATION OR RUPTURE OF A SOIL WHEN WET.

Data Standards:

:TWO OR THREE CHARACTER ALPHABETIC CODE
:DETERMINED BY FIELD OBSERVATION PROCEDURE

Codes:

:WN = NONPLASTIC
:WSP = SLIGHTLY PLASTIC
:WP = PLASTIC
:WVP = VERY PLASTIC

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD: 97

Field Length:3:

Authority:FLPMA NCSS:

Data Element Name: SOIL CONSISTENCE WET STICKY:

Source of Information: NCSS, SSM4P81:

Form:SCS-232:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element Data Element Number:4538:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:A GENERAL DESCRIPTIVE TERM FOR THE SOILS STICKINESS BASED ON

:THE KIND AND DEGREE OF COHESION AND ADHESION AND THE

:RESISTANCE TO DEFORMATION OR RUPTURE OF A SOIL WHEN WET.

Data Standards:

:TWO OR THREE CHARACTER ALPHABETIC CODE

:DETERMINED BY FIELD OBSERVATION PROCEDURE

Codes:

:WN = NONSTICKY

:WSL = SLIGHTLY STICKY

:WS = STICKY

:WVS = VERY STICKY

User Fields:

RECORD : 98

Authority:FLPMA NCSS:

Source of Information: NCSS, NSH P.603.02-2:

Frequency of Use: 1M: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Security:PUB:

PUB - Public, no restrictions

IPR - Internal Proprietary

IN - Internal Investigatory

IOI - Internal Other

Print this record? :T:

0 - Other

Data Element Number: 4539:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES. ESTABLISHED

Data Category: C: C - CORPORATE

N - No, not developed

D - Discretionary

• • • • •

: AN INTERPRETATIVE RATING OF THE SUSCEPTIBILITY OF
: CONCRETE TO CORROSION WHEN IN CONTACT WITH THE SOIL.
: RISK OF CORROSION DEPENDS ON LIMITS OF THREE FACTORS;
: SOILS TEXTURE AND ACIDITY,
: AMOUNT OF SODIUM OR MAGNESIUM SULFATE IN THE SOIL,
: AND AMOUNT OF SODIUM CHLORIDE IN THE SOIL,
: AND THE RELATIONSHIPS BETWEEN THE THREE FACTORS.

:ONE DIGIT NUMERIC CODE
:VALUES RANGE FROM 1 TO 3

```
: 1 = LOW
: 2 = MODERATE
: 3 = HIGH
```

:

Data Set Name: SOIL RESOURCE:

RECORD : 99

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL CORROSIVITY UNCOATED STEEL:

Source of Information: NCSS, NSH P.603.02-1:

Form:SCS-SOI-5:

Frequency of Use:1M: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element Data Element Number:4540:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:AN INTERPRETATIVE RATING OF THE SUSCEPTIBILITY OF

:UNCOATED STEEL TO CORROSION WHEN IN CONTACT WITH THE SOIL.

:PERTAINS TO POTENTIAL SOIL-INDUCED ELECTROCHEMICAL OR CHEMICAL

:ACTION THAT CONVERTS IRON INTO ITS IONS WHICH DISSOLVES UNCOATED

:STEEL.

:RISK OF CORROSION DEPENDS ON LIMITS OF FOUR FACTORS;

: SOIL DRAINAGE CLASS AND TEXTURE,

: SOIL TOTAL ACIDITY,

: RESISTIVITY AT FIELD CAPACITY,

: AND CONDUCTIVITY OF SATURATED EXTRACT,

:AND THE RELATIONSHIPS BETWEEN THE FOUR FACTORS.

Data Standards:

:ONE DIGIT NUMERIC CODE

:VALUES RANGE FROM 1 TO 3

Codes:

:1 = LOW

:2 = MODERATE

:3 = HIGH

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 101

Field Length:5:

Authority:FLPMA NCSS:

Data Element Name: SOIL DEPTH TO BEDROCK:

Source of Information: NCSS, SSM4P27, NSH:

Form:SOI-5 &232:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number:5190:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE MEASURED DISTANCE FROM THE SOIL SURFACE TO BEDROCK WHERE
:LESS THAN 90 PERCENT SOIL FINE PARTICLE SIZE OCCURS OR TO A
:CONSOLIDATED ROCK FORMATION THAT RESTRICTS ROOT PENETRATION
:SUCH AS GRANITE OR LIMESTONE.

Data Standards:

:MEASURED IN INCHES OR CENTIMETERS TO THE NEAREST HALF UNIT.
:VALUES RANGE FROM 0.0 TO 999.5

:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT UNIT OF MEASURE TO
:IDENTIFY TYPE.

Codes:

:ENTER ACTUAL VALUE

User fields:

Data Set Name: SOIL RESOURCE:

RECORD : 102

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL DEPTH TO HARDPAN:

Source of Information: NCSS, SSM, NSH:

Form:SOI-5 &232:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:

:

:

Element definition:

:THE MEASURED DISTANCE FROM THE SOIL SURFACE TO A HARDPAN.

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

Data Standards:

:MEASURED IN INCHES OR CENTIMETERS TO THE NEAREST HALF UNIT.

:

:VALUES RANGE FROM 0.0 TO 99.5

:

:

:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT UNIT OF MEASURE TO :

:IDENTIFY TYPE.

Codes:

:ENTER ACTUAL VALUE

:

:

:

:

:

:

User Fields:

:

:

:

Data Set Name: SOIL RESOURCE:

RECORD : 103

Field Length:8:

Authority:FLPMA NCSS:

Data Element Name: SOIL DESCRIPTION DATE:

Source of Information: NCSS:

Form:SCS-232:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:3: 1 - New Element

Data Element Number:4541:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE MONTH, DAY, AND YEAR THE SOIL WAS DESCRIBED.

Data Standards:

:EIGHT DIGIT NUMERIC DATE DESIGNATING THE MONTH, DAY, AND YEAR

:(I.E., MMDDYYYY)

:RANGES:

: MM 01 TO 12

: DD 01 TO 31

: YYYY 1776 TO 9999

Codes:

:ENTER ACTUAL DATE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 104

Field Length:2:

Authority:FLPMA NCSS:

Data Element Name: SOIL DRAINAGE CLASS:

Source of Information: NCSS, SSM4P31-32,NSH:

Form:SCS-232&5:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2:

1 - New Element

Data Element Number:4514:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:

:

:

Element definition:

:A GENERAL DESCRIPTIVE TERM

:IDENTIFYING THE NATURAL DRAINAGE CONDITION OF THE SOIL,

:WHICH IS THAT QUALITY OF A SOIL THAT PERMITS THE DOWNWARD FLOW

:OF EXCESS WATER THROUGH IT.

:CLASSIFICATION SUMMARIZES SOIL WETNESS AND OTHER SOIL-WATER

:STATES.

:

:

:

:

:

:

:

:

:

:

:

Data Standards:

:ONE OR TWO CHARACTER ALPHABETIC CODE

:DETERMINED BY VISUAL FIELD ESTIMATE

:

:

:

:

:

Codes:

:SEE ATTACHED SHEET FOR 7 CODES

:

:

:

:

:

:

User Fields:

:

:

:

SOIL RESOURCE DATA SET

RECORD NO. 104

DATA ELEMENT NAME: SOIL DRAINAGE CLASS

CODES:

E	Excessively	Soils have very high and high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.
SE	Somewhat Excessively	Soils have high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.
W	Well	Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.
MW	Moderately Well	Soils have a layer of low hydraulic conductivity, wet state high in the profile. Depth to water table is 3 to 6 feet.
SP	Somewhat Poorly	Soils commonly have a layer with low hydraulic conductivity, wet state high in profile, etc. Depth to water table is 1 to 3 feet.
P	Poorly	Soils may have a saturated zone, a layer of low hydraulic conductivity, or seepage. Depth to water table is less than 1 foot.
VP	Very Poorly	Soils are wet to the surface most of the time. Depth to water table is less than 1 foot, or is ponded.

Data Set Name: SOIL RESOURCE:

RECORD.: 105

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL ERODIBILITY FACTOR (K):

Source of Information: NCSS, NSH P.603:

Form:NONE:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2:

1 - New Element

Data Element Number:4574:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE SOIL ERODIBILITY FACTOR (K) OF THE UNIVERSAL SOIL LOSS
:EQUATION (USLE) AND REVISED UNIVERSAL SOIL LOSS EQUATION (RUSLE)
:THAT QUANTIFIES THE SUSCEPTIBILITY OF SOIL PARTICLES TO
:DETACHMENT AND TRANSPORT BY WATER. IT IS A QUANTITATIVE VALUE
:EXPERIMENTALLY DETERMINED TO CALCULATE SOIL LOSS BY WATER.

Data Standards:

:K FACTOR VALUES ARE SHOWN TO NEAREST HUNDREDTH OF A UNIT.
:VALUES RANGE FROM 0.02 TO 0.64

Codes:

:ENTER ACTUAL NUMBER

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 106

Field Length:2:

Authority:FLPMA NCSS:

Data Element Name: SOIL ERODIBILITY GROUP WIND:

Source of Information: NCSS, NSH P.603-35:

Form:SCS-SOI-5:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number:4576:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

: A GENERAL DESCRIPTIVE TERM INDICATING THE

: SUSCEPTIBILITY TO SOIL BLOWING BASED ON GROUPS OF SOILS THAT HAVE:

: SIMILAR PROPERTIES AFFECTING THEIR RESISTANCE TO SOIL BLOWING.

: GENERALLY REFERRED TO AS WIND ERODIBILITY GROUP (WEG).

: RELATED TO DATA ELEMENT: SOIL EROSION INDEX WIND (I)

Data Standards:

: ONE OR TWO DIGIT ALPHANUMERIC CODE

Codes:

: SEE ATTACHED SHEET FOR 9 CODES

User Fields:

SOIL RESOURCE DATA SET

RECORD NO. 106

DATA ELEMENT NAME: SOIL ERODIBILITY GROUP, WIND

CODES:

- | | | |
|----|------------------|---|
| 1 | EXTREMELY EROD. | SANDS; COARSE SANDS; FINE AND VERY FINE SANDS
Very fine sand, fine sand, sand, or coarse sand |
| 2 | HIGHLY ERODIBLE | LOAMY, LOAMY FINE AND LOAMY VERY FINE SANDS
Loamy very fine sand, loamy fine sand, loamy sand, loamy coarse sand, or sapric organic soil materials. |
| 3 | HIGHLY ERODIBLE | LOAMS THAT ARE SANDY; COARSE TO VERY F. SANDY
Very fine sandy loam, fine sandy loam, sandy loam, or coarse sandy loam. |
| 4 | MODERATELY EROD. | CLAYS; SILTY CLAYS; CLAY AND SILTY CLAY LOAMS
Clay, silty clay, noncalcareous clay loam, or silty clay loam with more than 35 percent clay content. |
| 4L | ERODIBLE | CALCAREOUS LOAMY SOILS; < 35% CLAY; > 5% CAC03
Calcareous loam and silt loam, or calcareous clay loam, and silty clay loam. |
| 5 | SLIGHTLY EROD. | LOAMY SOILS; < 18% CLAY; < 5% CAC03
Noncalcareous loam and silt loam with less than 20 percent clay content, or sandy clay loam, sandy clay, and hemic organic soil materials. |
| 6 | VERY SLIGHTLY E. | LOAMY SOILS; 18 - 35% CLAY; < 5% CAC03
Noncalcareous loam and silt loam with more than 20 percent clay content, or noncalcareous clay loam with less than 35 percent clay content. |
| 7 | VERY SLIGHTLY E. | SILTY CLAY LOAMS; < 35% CLAY; < 5% CAC03
Silt, noncalcareous silty clay loam with less than 35 percent clay content, and fabric organic soil material. |
| 8 | NOT ERODIBLE | STONY OR GRAVELLY SOILS
Soils not suitable for cultivation due to coarse fragments or wetness, wind erosion not a problem. |

Data Set Name: SOIL RESOURCE:

RECORD : 107

Field Length:3:

Authority:FLPMA NCSS:

Data Element Name: SOIL EROSION HAZARD:

Source of Information: NCSS, SSM4P26:

Form:NONE:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1:

1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

: A GENERAL DESCRIPTIVE INDICATOR CLASSIFYING

: POSSIBLE FUTURE EROSION HAZARD, OR THE SUSCEPTIBILITY OF A SOIL

: TO EROSION.

: BASED ON THE AMOUNT OF SOIL LOSS IN METRIC TONS PER HECTARE PER

: YEAR. THE POTENTIAL INHERENT ABILITY IN THE SOIL ITSELF TO ERODE:

: IF THE FORCES THAT CAUSE EROSION (WATER OR WIND) ARE APPLIED TO A:

: SOIL THAT IS NOT ADEQUATELY PROTECTED OR THAT IS HIGHLY

: DISTURBED. EROSION IS INFLUENCED BY TEXTURE, ORGANIC MATTER,

: STRUCTURE, AND HYDRAULIC CONDUCTIVITY OF SOIL.

Data Standards:

: TWO OR THREE CHARACTER ALPHABETIC CODE

Codes:

: CODE CLASS METRIC TONS PER HECTARE PER YEAR

: NO = NONE

0

: SL = SLIGHT

< 2.5, BUT NOT ZERO

: MOD = MODERATE

2.5 TO 10

: SEV = SEVERE

10 TO 25

: VS = VERY SEVERE

> 25

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 109

Field Length:3:

Authority:FLPMA NCSS:

Data Element Name: SOIL EROSION INDEX WIND (I):

Source of Information: NCSS, NSH P.603-35:

Form:SCS-SOI-5:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1:

1 - New Element

Data Element Number:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE WIND EROSION FACTOR (I) OF THE WIND EROSION EQUATION

:THAT IS AN INDEX FIGURE ESTIMATED FROM SOIL WIND ERODIBILITY

:GROUPS.

:BASED ON SOIL LOSS IN TONS PER ACRE PER YEAR.

:BASED ON THE AMOUNT OF AVERAGE EROSION IN TONS PER ACRE PER

:YEAR FOR A PARTICULAR CLAS OF SOIL.

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

Data Standards:

:ONE TO THREE DIGIT NUMERIC

:VALUES RANGE FROM 0 TO 310

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

Codes:

:SEE ATTACHED SHEET FOR 9 VALUES

:

:

:

:

:

:

:

:

:

User Fields:

SOIL RESOURCE DATA SET

RECORD NO. 108

DATA ELEMENT NAME: SOIL EROSION INDEX, WIND (I)

CONVERSION TABLE:

Wind Erosion Index	Wind Erodibility Group
310	1
134	2
86	3
86	4
86	4L
56	5
48	6
38	7
--	8

Data Set Name: SOIL RESOURCE:

RECORD : 110

Field Length:3:

Authority:FLPMA NCSS:

Data Element Name: SOIL EROSION WATER AMOUNT:

Source of Information: NCSS, SSM4P21:

Form:NONE:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element
2 - Rewrite Previous
3 - Accept Previous

Data Element Number: :

Standards:Y: Y - YES, ESTABLISHED
N - No, not developed

Data Category:C: C - CORPORATE
D - Discretionary

Descriptive Element Name:

Element definition:

:THE ESTIMATED AMOUNT OF SOIL LOSS DUE TO WATER EROSION WHICH IS
:THE DISTURBANCE OF THE SOIL SURFACE BY FLOWING WATER AND THE
:MATERIAL IT CARRIES.

Data Standards:

:MEASURED IN TONS PER ACRE PER YEAR TO THE NEAREST HALF TON.
:VALUES RANGE FROM 0.0 TO 9.5

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 111

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL EROSION WATER CLASS:

Source of Information: NCSS, SSM4P24:

Form:SITFORM:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2:

1 - New Element

Data Element Number:4515:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:

:

:

Element definition:

:A GENERAL GROUPING WHICH INDICATES THE DEGREE OF

:WATER EROSION CONDITION BASED ON ESTIMATED PERCENTAGE OF SOIL

:LOST CAUSED BY THE EFFECTS OF FLOWING WATER AND THE MATERIAL IT

:CARRIES FROM THE UPPERMOST 8 INCHES (IN) (OR 20 CENTIMETERS (CM)):

:OF A TAXONOMIC UNIT.

:

:

:

:

:

:

:

:

:

:

:

:

:

Data Standards:

:ONE DIGIT NUMERIC CODE

:VALUES RANGE FROM 1 TO 4

:

:

:

:

:

Codes:

:1 = CLASS 1 - GENERALLY LOST LESS THAN 25% OF UPPERMOST 8 IN.

:2 = CLASS 2 - LOST BETWEEN 25 AND 75% OF THE UPPERMOST 8 IN.

:3 = CLASS 3 - LOST GREATER THAN 75% OF THE UPPERMOST 8 IN.

:4 = CLASS 4 - LOST ALL OF THE UPPERMOST 8 IN.

:

:

:

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 111

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL EROSION WATER TYPE:

Source of Information: NCSS, SSM4P21:

Form:SCS-232:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :1:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:A QUALITATIVE TERM THAT DESCRIBES THE KIND OF WATER

:EROSION BASED ON THE RELATIVE DEPTH AND STABILITY OF THE

:CHANNELS CUT BY RUNNING WATER.

Data Standards:

:ONE CHARACTER ALPHABETIC CODE

Codes:

:SEE ATTACHED SHEET FOR 7 CODES

User Fields:

SOIL RESOURCE DATA SET

RECORD NO. 112

DATA ELEMENT NAME: SOIL EROSION, WATER, KIND

CODES:

- S Sheet More or less uniform removal of soil from an area without the development of conspicuous water channels. The channels are tiny or tortuous, exceedingly numerous, and unstable; they enlarge and straighten as the volume of runoff increases. Sheet erosion is less apparent, particularly in its early stages, than other types of erosion. It can be serious on some soils having a slope gradient of only 1 or 2 percent. It is generally more serious as slope gradient increases.
- R Rill Removal of soil through the cutting of many small but conspicuous channels where runoff concentrates. Rill erosion is intermediate between sheet and gully erosion. The channels are shallow enough that they are easily obliterated by tillage; thus, after an eroded field has been cultivated, determining whether the soil losses resulted from sheet or rill erosion is generally impossible.
- G Gully Conspicuous gullies form where water concentrates and flows as a stream, cutting down into the soil along the line of flow. Gullies form in exposed natural drainageways, in plow furrows, in animal trails, in vehicle ruts, between rows of crop plants and below broken man-made terraces. In contrast to rills, they cannot be obliterated by ordinary tillage. Deep gullies cannot be crossed with common types of farm equipment.
- C Channel
- M Mass wasting
- P Splash Detachment of soil particles by the impact of raindrops. The particles are suspended in runoff water and carried away.
- W Wave

Data Set Name: SOIL RESOURCE:

RECORD : 113

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL EROSION WIND CLASS:

Source of Information: NCSS, SSM4P25:

Form:NONE:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :1:

New/RW/Accept:2: 1 - New Element

Data Element Number:4515:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:A GENERAL GROUPING WHICH INDICATES THE WIND EROSION

:CONDITION BASED ON ESTIMATED PERCENTAGE OF SOIL LOST CAUSED BY

:WIND FROM THE UPPERMOST 8 INCHES (IN) (OR 20 CENTIMETERS (CM))

:FOR A SOIL TAXONOMIC UNIT.

:BASED ON THE DEGREE OF WIND EROSION WHICH IS THE AMOUNT OF SOIL

:BLOWN FROM ONE PLACE ON THE LANDSCAPE TO ANOTHER.

Data Standards:

:ONE DIGIT NUMERIC CODE

:VALUES RANGE FROM 1 TO 4

Codes:

:1 = CLASS 1 - GENERALLY, LOST LESS THAN 25% OF UPPERMOST 8 IN.

:2 = CLASS 2 - LOST BETWEEN 25 - 75% OF THE UPPERMOST 8 IN.

:3 = CLASS 3 - LOST GREATER THAN 75 % OF THE UPPERMOST 8 IN.

:4 = CLASS 4 - LOST ALL OF THE UPPERMOST 8 IN.

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD.: 114

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL FROST ACTION POTENTIAL:

Source of Information: NCSS, NSH P.603-51:

Form:SCS-SOI-5:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 HoneyWell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :I:

New/RW/Accept:2:

1 - New Element

Data Element Number:4661:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES. ESTABLISHED

Data Category:C: C - CORPORATE

N - No. not developed

D - Discretionary

Descriptive Element Name:

:

:

:

Element definition:

:A GENERAL TERM THAT DESCRIBES THE LIKELIHOOD

:OF THE SOIL TO HEAVE UPWARD OR MOVE Laterally CAUSED BY THE

:FORMATION OF SEGREGATED ICE LENSES FROM POTENTIAL FREEZING AND

:THE LOSS OF SOIL STRENGTH UPON THAWING.

:BASED ON SOIL MOISTURE REGIME AND TEXTURE CLASSES. AND THE

:PROBABLE EFFECTS FROM VARIOUS USES OF THE SOIL.

:

:

:

:

:

:

:

:

:

:

:

Data Standards:

:ONE CHARACTER ALPHABETIC CODE

:

:

:

:

:

:

Codes:

:L = LOW - RARELY SUSCEPTIBLE TO FROST HEAVING

:M = MODERATE - SUSCEPTIBLE TO FROST HEAVING

:H = HIGH - HIGHLY SUSCEPTIBLE TO FROST HEAVING

:

:

:

:

User Fields:

:

:

:

Data Set Name: SOIL RESOURCE:

RECORD : 115

Field Length:1: Authority:FLPMA NCSS:

Data Element Name: SOIL FROST ACTION SUSCEPTIBILITY:

Source of Information: NCSS, NSH P.603-55:

Form:SCS-SOI-5:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

: A GENERAL DESCRIPTIVE CLASS THAT DESCRIBES THE
: SUSCEPTIBILITY OF THE SOIL TO HEAVE UPWARD OR MOVE Laterally
: CAUSED BY THE FORMATION OF SEGREGATED ICE LENSES BY
: FREEZING AND THE LOSS OF SOIL STRENGTH UPON THAWING, BASED ON
: SOIL MOISTURE REGIME AND TEXTURE CLASSES, AND THE PROBABLE
: EFFECTS FROM VARIOUS USES OF THE SOIL.

Data Standards:

: ONE DIGIT NUMERIC CODE

: VALUES RANGE FROM 1 TO 3

Codes:

: 1 - SLIGHT

: 2 - MODERATE

: 3 - SEVERE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD.: 116

Field Length:80:

Authority:FLPMA NCSS:

Data Element Name: SOIL GEOGRAPHICALLY ASSOCIATED:

Source of Information: NCSS, NSH602, SSM:

Form:SCS-232:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:U:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:1:

1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:

:

:

Element definition:

:A LIST OF SOIL SERIES IN THE SAME LOCALITY OF THE SOIL SERIES :

:BEING DESCRIBED. INCLUDES A DESCRIPTION OF HOW THE ASSOCIATED :

:SOILS DIFFER FROM THE SOIL SERIES BEING DESCRIBED. :

:EXAMPLE: THE ARIZO AND NICKEL SOILS. :

: ARIZO SOILS ARE DEEP. :

: NICKEL SOILS HAVE CALCIC HORIZONS AND ARE DEEP. :

:

:

:

:

:

:

:

:

:

:

:

:

Data Standards:

:ALPHANUMERIC TEXT

:LISTS OF SOIL SERIES NAMES WITH ASSOCIATED DESCRIPTIONS ARE

:MAINTAINED FOR USE BY LOCAL GEOGRAPHIC AREAS.

:

:

:

:

:

Codes:

:ENTER ACTUAL TEXT

:

:

:

:

:

:

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 117

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL HORIZON BOUNDARY DISTINCTNESS:

Source of Information: NCSS, SSM4P51:

Form:SCS-232:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :I:

New/RW/Accept:2: 1 - New Element

Data Element Number:4686:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

: A GENERAL DESCRIPTIVE TERM WHICH INDICATES THE
: DISTINCTNESS OF THE LOWER BOUNDARY OF A SOIL HORIZON
: DETERMINED BY THE THICKNESS IN INCHES OF THE TRANSITION ZONE
: BETWEEN TWO HORIZONS.

: RELATED TO DATA ELEMENT: SOIL HORIZON BOUNDARY TOPOGRAPHY

Data Standards:

: ONE CHARACTER ALPHABETIC CODE
: DETERMINED BY FIELD VISUAL ESTIMATE

Codes:

: A = ABRUPT - TRANSITION IS < 1 INCH (OR 2 CENTIMETERS) THICK
: B = CLEAR - TRANSITION IS 1 - 2.5 INCHES (OR 2 TO 5 CM) THICK
: C = GRADUAL - TRANSITION IS 2.5 - 5 INCHES (OR 5 TO 15 CM) THICK
: D = DIFFUSE - TRANSITION IS > 5 INCHES (OR 15 CM) THICK

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 118

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL HORIZON BOUNDARY TOPOGRAPHY:

Source of Information: NCSS, SSM4P51:

Form:SCS-232:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1:

1 - New Element

Data Element Number:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:

:

:

Element definition:

:A GENERAL DESCRIPTIVE TERM WHICH INDICATES THE

:TOPOGRAPHY OF THE LOWER BOUNDARY OF A SOIL HORIZON.

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

Data Standards:

:ONE CHARACTER ALPHABETIC CODE

:MEASURED BY VISUAL FIELD ESTIMATE

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

Codes:

:S = SMOOTH - NEARLY A PLANE

:W = WAVY - WITH TONGUES OR STREAKS OR UNDULATING

:I = IRREGULAR - POCKETS ARE DEEPER THAN THEIR WIDTH

:B = BROKEN - PARTS OF THE HORIZON ARE UNCONNECTED WITH OTHER

: PARTS

:

:

:

:

:

User Fields:

:

:

:

Data Set Name: SOIL RESOURCE:

RECORD : 119

Field Length:3:

Authority:FLPMA NCSS:

Data Element Name: SOIL HORIZON DEPTH LOWER:

Source of Information: NCSS, SSM4P50:

Form:NONE:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2:

1 - New Element

Data Element Number:4547:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE ACTUAL MEASURED VERTICAL DISTANCE FROM THE SOIL SURFACE TO
:THE LOWER BOUNDARY OF A SPECIFIC SOIL HORIZON.

:RELATED TO DATA ELEMENT: SOIL HORIZON MASTER CURRENT

Data Standards:

:MEASURED IN INCHES OR CENTIMETERS TO THE NEAREST WHOLE UNIT.

:VALUES RANGE FROM 0 TO 999

:DETERMINED BY FIELD OBSERVATION

:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT UNIT OF MEASURE TO
:IDENTIFY TYPE.

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD.: 120

Field Length:3:

Authority:FLPMA NCSS:

Data Element Name: SOIL HORIZON DEPTH UPPER:

Source of Information: NCSS, SSM4P50:

Form:SCS-232:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2:

1 - New Element

Data Element Number:4547:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE ACTUAL MEASURED VERTICAL DISTANCE FROM THE SOIL SURFACE TO
:THE UPPER BOUNDARY OF A SPECIFIC SOIL HORIZON.

:RELATED TO DATA ELEMENT: SOIL HORIZON MASTER CURRENT

Data Standards:

:MEASURED IN INCHES OR CENTIMETERS TO THE NEAREST WHOLE UNIT.

:VALUES RANGE FROM 0 TO 999

:DETERMINED BY FIELD OBSERVATION

:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT UNIT OF MEASURE TO

:IDENTIFY TYPE.

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 121

Field Length:11:

Authority:FLPMA NCSS:

Data Element Name: SOIL HORIZON DIAGNOSTIC SUBSURFACE:

Source of Information: NCSS, TAX P. 19-47:

Form:NONE:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:NAME OF DIAGNOSTIC HORIZON THAT NORMALLY FORMS BELOW THE SURFACE :
:SOIL THAT HAS COMBINATIONS OF SPECIFIC SOIL CHARACTERISTICS :
:(E.G., CLAY CONTENT, HARDNESS, CALCIUM CARBONATE ACCUMULATION, :
:ETC.). :

Data Standards:

:UP TO 11 CHARACTER ALPHABETIC NAME

Codes:

:SEE ATTACHED SHEET FOR 18 NAMES

User Fields:

SOIL RESOURCE DATA SET

RECORD NO. 121

DATA ELEMENT NAME: SOIL HORIZON, DIAGNOSTIC, SUBSURFACE

NAMES:

ARGIC

ALBIC

ARGILLIC

CALCIC

CAMBIC

DURIPAN

FRAGIPAN

GYPSIC

KANDIC

NATRIC

OXIC

PETROCALCIC

PETROGYPSIC

PLACIC

SALIC

SOMBRIC

SPODIC

SULFURIC

Data Set Name: SOIL RESOURCE:

RECORD : 122

Field Length:1: Authority:FLPMA NCSS:

Data Element Name: SOIL HORIZON DIAGNOSTIC SURFACE:

Source of Information: NCSS, TAX P. 14-19:

Form:SCS-232:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:

:

:

Element definition:

:THE NAME OF DIAGNOSTIC HORIZON THAT FORMS AT THE SOIL

:SURFACE THAT HAS COMBINATIONS OF SPECIFIC SOIL CHARACTERISTICS.

:COMMONLY CALLED AN EPIPEDON.

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

Data Standards:

:ONE DIGIT NUMERIC CODE

:VALUES RANGE FROM 1 TO 7

:

:

:

:

:

:

Codes:

:1 = MOLLIC EPIPEDON

:2 = ANTHROPIC EPIPEDON

:3 = UMBRIC EPIPEDON

:4 = HISTIC EPIPEDON

:5 = PLAGGEN EPIPEDON

:6 = OCHRIC EPIPEDON

:7 = MELANIC EPIPEDON

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 124

Field Length:2:

Authority:FLPMA NCSS:

Data Element Name: SOIL HORIZON DIAGNOSTIC THICKNESS MIN:

Source of Information: NCSS, TAX P. 14-19:

Form:SCS-232:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :1:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL HORIZON, DIAGNOSTIC, THICKNESS, MINIMUM

Element definition:

:THE SHORTEST MEASURED VERTICAL DISTANCE FROM THE SOIL SURFACE

:TO THE LOWER BOUNDARY OF A SPECIFIC SURFACE DIAGNOSTIC HORIZON

:(EPIPEDON).

:RELATED TO DATA ELEMENT: SOIL HORIZON DIAGNOSTIC SURFACE

Data Standards:

:MEASURED IN INCHES OR CENTIMETERS TO THE NEAREST WHOLE UNIT.

:VALUES RANGE FROM 1 TO 99

:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT UNIT OF MEASURE

:TO IDENTIFY TYPE.

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 125

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL HORIZON MASTER CURRENT:

Source of Information: NCSS, SSM4P40-47:

Form:MANY:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:2:

1 - New Element

Data Element Number:4561:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:
:
:

:
:
:

Element definition:

:A CODE THAT IDENTIFIES A DISTINGUISHABLE MASTER LAYER (HORIZON)

:WITHIN A SOIL PROFILE.

:MASTER HORIZONS ARE DESCRIBED FROM TOP (SURFACE) TO BOTTOM BY
:MAJOR DISTINCTIONS.

:THESE MASTER HORIZONS ARE FURTHER IDENTIFIED BY SUBORDINATE
:DISTINCTIONS.

Data Standards:

:ONE CHARACTER ALPHABETIC CODE

Codes:

:O = ORGANIC

:A = MINERAL

:E = MINERAL-LEACHED

:B = MINERAL CONCENTRATIONS

:C = LITTLE EFFECT OF PEDOGENIC PROCESSES

:R = BEDROCK

User Fields:

RECORD : 126

Authority:FLPMA NCSS:

Form: NONE:

Print this record? :T:

D - Discretionary

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 127

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL HORIZON SUBORDINATE CURRENT:

Source of Information: NCSS, SSM4P42-48:

Form:MANY:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:1:

1 - New Element

Data Element Number:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:AN IDENTIFIER FOR A DISTINGUISHABLE SUBORDINATE LAYER

:(HORIZON) WITHIN A SOIL PROFILE.

:MULTIPLE ENTRIES ARE COMMON (E.G., KYM FOR A LAYER THAT HAS

:ACCUMULATIONS OF CARBONATES AND GYPSUM AND IS STRONGLY CEMENTED).

Data Standards:

:ONE CHARACTER ALPHABETIC CODE

:MULTIPLE ENTRIES COMMON.

Codes:

:SEE ATTACHED SHEET FOR 22 CODES

User Fields:

SOIL RESOURCE DATA SET

RECORD NO. 127

DATA ELEMENT NAME: SOIL HORIZON, SUBORDINATE, CURRENT

CODES:

- a highly decomposed organic matter
- b buried soil horizon
- c concretions or nodules
- e intermediately decomposed organic matter
- f frozen soil
- g strong gleying
- h illuvial accumulation of organic matter
- i slightly decomposed organic matter
- k accumulation of carbonates
- m strong cementation
- n accumulation of sodium
- o residual accumulation of sesquioxides
- p plowing or other disturbance
- q accumulation of silica
- r weathered or soft bedrock
- s illuvial accumulation of sesquioxides
- t accumulation of clay
- v plinthite
- w color or structural B
- x fragipan character
- y accumulation of gypsum
- z accumulation of salts

Data Set Name: SOIL RESOURCE:

RECORD : 128

Field Length:2:

Authority:FLPMA NCSS:

Data Element Name: SOIL HORIZON SUBORDINATE OLD:

Source of Information: SSM NO. 18 P.181-183:

Form:NONE:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:1:

1 - New Element

Data Element Number:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:

:

:

Element definition:

:AN IDENTIFIER FOR A DISTINGUISHABLE SUBORDINATE LAYER

:(HORIZON) WITHIN A SOIL PROFILE AS DEFINED BY THE SOIL SURVEY

:MANUAL NUMBER 18 (PRE MAY, 1981).

:

:

:

:

:

:

:

:

:

:

:

:

:

Data Standards:

:ONE OR TWO CHARACTER ALPHABETIC CODE

:

:

:

:

:

:

Codes:

:SEE ATTACHED SHEET FOR 16 CODES

:

:

:

:

:

:

User Fields:

SOIL RESOURCE DATA SET

RECORD NO. 128

DATA ELEMENT NAME: SOIL HORIZON, SUBORDINATE, OLD

CODES:

b	buried soil horizon
cn	concretions or nodules
f	frozen soil
g	strong gleying
h	illuvial accumulation of organic matter
ca	accumulation of carbonates
m	strong cementation
sa	accumulation of sodium
p	plowing or other disturbance
si	accumulation of silica
r	weathered or soft bedrock
ir	illuvial accumulation of sesquioxides
t	accumulation of clay
x	fragipan character
cs	accumulation of gypsum
sa	accumulation of salts

Data Set Name: SOIL RESOURCE:

RECORD : 129

Field Length:3:

Authority:FLPMA NCSS:

Data Element Name: SOIL HORIZON THICKNESS:

Source of Information: NCSS, SSM4P50:

Form:SCS-SOI-5:

Frequency of Use:2M: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element
2 - Rewrite Previous
3 - Accept Previous

Data Element Number:4666:

Standards:Y: Y - YES, ESTABLISHED
N - No, not developed

Data Category:C: C - CORPORATE
D - Discretionary

Descriptive Element Name:

Element definition:

:THE ACTUAL MEASURED VERTICAL DISTANCE BETWEEN
:THE UPPER AND LOWER BOUNDARIES OF
:A SPECIFIC SOIL HORIZON.

:RELATED TO DATA ELEMENT: SOIL HORIZON MASTER CURRENT

Data Standards:

:MEASURED IN INCHES OR CENTIMETERS TO THE NEAREST WHOLE UNIT.

:VALUES RANGE FROM 0 TO 999

:DETERMINED BY FIELD OBSERVATION

:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT UNIT OF MEASURE TO
:IDENTIFY TYPE.

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD.: 130

Field Length:3:

Authority:FLPMA NCSS:

Data Element Name: SOIL HORIZON TRANSITIONAL CURRENT:

Source of Information: NCSS, SSM4P40-47:

Form:MANY:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :I:

New/RW/Accept:2: 1 - New Element

Data Element Number:4561:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:SOIL HORIZONS WHOSE CHARACTERISTICS ARE MODIFIED BY EITHER
:THE OVERLYING OR UNDERLYING HORIZONS GIVING A SUBORDINATE
:DISTINCTION FROM THE MASTER LAYER (HORIZON).

Data Standards:

:TWO OR THREE CHARACTER ALPHABETIC CODE

Codes:

:SEE ATTACHED SHEET FOR 9 CODES

User Fields:

SOIL RESOURCE DATA SET

RECORD NO. 130

DATA ELEMENT NAME: SOIL HORIZON, TRANSITIONAL, CURRENT

CODES:

- AB Horizon dominated by A Master Horizon properties but has subordinate properties of B Master Horizon.
- EB Horizon dominated by E Master Horizon properties but has subordinate properties of B Master Horizon.
- E/B Horizon with two distinct parts that has recognizable properties of the E and B Master Horizons.
- AC Horizon dominated by A Master Horizon properties but has subordinate properties of C Master Horizon.
- BA Horizon dominated by B Master Horizon properties but has subordinate properties of A Master Horizon.
- BE Horizon dominated by B Master Horizon properties but has subordinate properties of E Master Horizon.
- B/E Horizon with two distinct parts that has recognizable properties of the B and E Master Horizons.
- BC Horizon dominated by B Master Horizon properties but has subordinate properties of C Master Horizon.
- CB Horizon dominated by C Master Horizon properties but has subordinate properties of B Master Horizon.

Data Set Name: SOIL RESOURCE:

RECORD : 131

Field Length:3:

Authority:FLPMA NCSS:

Data Element Name: SOIL HORIZON TRANSITIONAL OLD:

Source of Information: SSM NO. 18 P.173-181:

Form:NONE:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:SOIL HORIZONS WHOSE CHARACTERISTICS ARE MODIFIED BY EITHER THE
:OVERLYING OR UNDERLYING HORIZONS GIVING A SUBORDINATE
:DISTINCTION FROM THE MASTER LAYER (HORIZON) AS DEFINED BY THE
:SOIL SURVEY MANUAL NUMBER 18 (PRE MAY, 1981).

Data Standards:

:TWO TO THREE CHARACTER ALPHANUMERIC CODE

Codes:

:SEE ATTACHED SHEET FOR 10 CODES

User Fields:

SOIL RESOURCE DATA SET

RECORD NO. 131

DATA ELEMENT NAME: SOIL HORIZON, TRANSITIONAL, OLD

CODES:

O1	ORGANIC
O2	ORGANIC
A1	MINERAL
A2	MINERAL
A3	MINERAL
AB	MINERAL/MINERAL CONCENTRATIONS
A&B	MINERAL/MINERAL CONCENTRATIONS
AC	MINERAL/LITTLE EFFECT OF PEDOGENIC PROCESSES
B&A	MINERAL/MINERAL CONCENTRATIONS
B3	MINERAL CONCENTRATIONS

SOIL RESOURCE DATA SET

RECORD NO. 132

DATA ELEMENT NAME: SOIL HYDROLOGIC GROUP

CODES:

A	Group A	High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.
A/D	Group A/D	Drained/undrained hydrology class of soils that can be drained and are classified.
B	Group B	Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
B/D	Group B/D	Drained/undrained hydrology class of soils that can be drained and are classified.
C	Group C	Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.
C/D	Group C/D	Drained/undrained hydrology class of soils that can be drained and classified.
D	Group D	Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Data Set Name: SOIL RESOURCE:

RECORD : 133

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL INFILTRATION RATE CLASS:

Source of Information: NCSS, SSM, SCS:

Form:SCS-SOI-5:

Frequency of Use:2M: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :I:

New/RW/Accept:2: 1 - New Element

Data Element Number:4516:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:A GENERAL DESCRIPTIVE TERM FOR A SOIL CHARACTERISTIC

:CLASS DETERMINING OR DESCRIBING THE MAXIMUM RATE AT WHICH WATER

:DOWNWARDLY CAN ENTER THE SOIL UNDER SPECIFIED CONDITIONS,

:INCLUDING THE PRESENCE OF AN EXCESS OF WATER.

Data Standards:

:ONE DIGIT NUMERIC CODE

:VALUES RANGE FROM 1 TO 5

Codes:

: 1 = RAPID

: 2 = MODERATELY RAPID

: 3 = MODERATE

: 4 = MODERATELY SLOW

: 5 = SLOW

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 134

Field Length:8:

Authority:FLPMA NCSS:

Data Element Name: SOIL INVENTORY COMPLETION DATE:

Source of Information: NCSS, NSH:

Form:NONE:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :I:

New/RW/Accept:3: 1 - New Element

Data Element Number:5105:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE MONTH, DAY, AND YEAR THE SOIL INVENTORY IS COMPLETED WHICH IS:
:INDICATED BY THE COMPLETION OF MAPPING AND INTERPRETATION.

Data Standards:

:EIGHT DIGIT NUMERIC DATE DESIGNATING MONTH, DAY, AND YEAR

:(I.E., MMDDYYYY)

:RANGES:

: MM 01 TO 12

: DD 01 TO 31

: YYYY 1776 TO 9999

Codes:

:ENTER ACTUAL DATE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 135

Field Length:30:

Authority:FLPMA NCSS:

Data Element Name: SOIL LAB SAMPLE COLLECTORS NAME:

Source of Information: NCSS, SSM, NSH:

Form:LAB-FORM:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:3:

1 - New Element

Data Element Number:6561:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL LABORATORY SAMPLE. COLLECTORS NAME

Element definition:

:THE NAME OF THE PERSON OR PERSONS TAKING A SPECIFIC SOIL SAMPLE
:FROM A SPECIFIC LOCATION.

:RELATED TO DATA ELEMENT: SOIL LAB SAMPLE NUMBER

Data Standards:

:FIRST NAME AND LAST NAME.

:MULTIPLE ENTRIES ALLOWED

Codes:

:ENTER ACTUAL NAME

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 139

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL LIQUID LIMIT HIGH:

Source of Information: NCSS, NSH P.603-14:

Form:SCS-SOI-5:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE MAXIMUM MEASURED AMOUNT OF MOISTURE BY WEIGHT COMPARED TO
:THE TOTAL SOIL DRY WEIGHT OVER WHICH A SOIL EXHIBITS
:THE CHARACTERISTICS OF A LIQUID,
:I.E., WILL BARELY FLOW UNDER A STANDARD TREATMENT.
:BASED ON SOIL PARTICLES SMALLER THAN 0.425 MILLIMETERS IN SIZE
:ACCORDING TO ASTM METHOD D 423.

Data Standards:

:MEASURED IN PERCENT TO THE NEAREST WHOLE UNIT.
:VALUES RANGE FROM 0.0 TO 99.9
:BY ATTERBERG LIMITS

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 140

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL LIQUID LIMIT LOW:

Source of Information: NCSS, NSH P.603-14:

Form:SCS-SOI-5:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE MINIMUM MEASURED AMOUNT OF MOISTURE BY WEIGHT COMPARED TO

:THE TOTAL SOIL DRY WEIGHT OVER WHICH A SOIL EXHIBITS

:THE CHARACTERISTICS OF A LIQUID,

:I.E., WILL BARELY FLOW UNDER A STANDARD TREATMENT.

:BASED ON SOIL PARTICLES SMALLER THAN 0.425 MILLIMETERS IN SIZE,

:ACCORDING TO ASTM METHOD D 423.

Data Standards:

:MEASURED IN PERCENT TO THE NEAREST WHOLE UNIT.

:VALUES RANGE FROM 0.0 TO 99.9

:BY ATTERBERG LIMITS

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 141

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL LIQUID LIMIT SPECIFIC:

Source of Information: NCSS, NSH P.603-14:

Form:SCS-SOI-5:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number:4571:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE SPECIFIC MEASURED AMOUNT OF MOISTURE BY WEIGHT COMPARED TO
:THE TOTAL SOIL DRY WEIGHT OVER WHICH A SOIL EXHIBITS
:THE CHARACTERISTICS OF A LIQUID, I.E., WILL BARELY FLOW
:UNDER A STANDARD TREATMENT.
:CORRESPONDS TO THE ARBITRARY LIMIT BETWEEN THE LIQUID AND
:PLASTIC STATE OF CONSISTENCY OF A SOIL.
:BASED ON SOIL PARTICLES SMALLER THAN 0.425 MILLIMETER
:ACCORDING TO ASTM METHOD D 423.

Data Standards:

:MEASURED IN PERCENT TO THE NEAREST WHOLE UNIT.
:VALUES RANGE FROM 0.0 TO 99.9
:BY ATTERBERG LIMITS

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 142

Field Length:100:

Authority:FLPMA NCSS:

Data Element Name: SOIL LOCATION FIELD SAMPLE:

Source of Information: NCSS, SCS-232 HDBK:

Form:SCS-232:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:1:

1 - New Element

Data Element Number:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE SPECIFIC GEOGRAPHIC LOCATION WHERE A SPECIFIC SOIL SAMPLE OR :
:PEDON DESCRIPTION WAS TAKEN FOR SOIL SURVEY OR CLASSIFICATION :
:PURPOSES. :

:THIS COMPOUND DATA ELEMENT INCLUDES A DESCRIPTION FOR: :
:LEGAL LAND DESCRIPTION (STATE, COUNTY, MERIDIAN, TOWNSHIP, RANGE, :
:SECTION, ALIQUOT PART) :
:AND GEOGRAPHIC COORDINATES (LATITUDE AND LONGITUDE) :
:AND GEOPOLITICAL INFORMATION (BLM DISTRICT, RESOURCE AREA, :
:PLANNING UNIT, SURFACE MANAGEMENT AGENCY, AND CONGRESSIONAL :
:DISTRICT)). :

:THESE WILL BE BROKEN INTO SPECIFIC DATA ELEMENTS WHEN :
:BUREAUWIDE STANDARDS ARE DEVELOPED FOR EACH. :

Data Standards:

:LEGAL LAND DESCRIPTION AND GEOGRAPHIC COORDINATES AND :
:GEOPOLITICAL STANDARDS. :

Codes:

:ENTER ACTUAL VALUES

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 143

Field Length:250:

Authority:FLPMA NCSS:

Data Element Name: SOIL LOCATION FIELD SAMPLE NARRATIVE:

Source of Information: NCSS, SSM, OSD:

Form:SCS-232:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1:

1 - New Element

Data Element Number:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:A NARRATIVE OF THE GEOMORPHIC DESCRIPTION (POSITION IN
:LANDSCAPE, E.G., HILL SLOPE, DRAINAGE WAYS, RIDGES, ETC.) FOR
:THE SITE WHERE A SOIL DESCRIPTION HAS BEEN PREPARED.

Data Standards:

:ALPHANUMERIC NARRATIVE TEXT

Codes:

:ENTER ACTUAL NARRATIVE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 144

Field Length:100:

Authority:FLPMA NCSS:

Data Element Name: SOIL LOCATION SURVEY AREA:

Source of Information: NCSS, SSM, NSH:

Form:MANY:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1:

1 - New Element

Data Element Number:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE GEOGRAPHIC LOCATION OF A SOIL SURVEY AREA, USUALLY BASED ON
:AN ALLOTMENT AND/OR WATERSHED AREA IDENTIFIED BY A SOIL SURVEY
:BOUNDARY.

:THIS COMPOUND DATA ELEMENT INCLUDES A DESCRIPTION FOR:

:LEGAL LAND DESCRIPTION (STATE, COUNTY, MERIDIAN, TOWNSHIP, RANGE,
:SECTION, ALIQUOT PART)

:AND GEOGRAPHIC COORDINATES (LATITUDE AND LONGITUDE)

:AND GEOPOLITICAL INFORMATION (BLM DISTRICT, RESOURCE AREA,
:PLANNING UNIT, SURFACE MANAGEMENT AGENCY, AND CONGRESSIONAL
:DISTRICT).

:THESE WILL BE BROKEN INTO SPECIFIC DATA ELEMENTS WHEN
:BUREAUWIDE STANDARDS ARE DEVELOPED FOR EACH.

Data Standards:

:LEGAL LAND DESCRIPTION AND GEOGRAPHIC COORDINATES AND
:GEOPOLITICAL STANDARDS.

Codes:

:ENTER ACTUAL VALUES

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 145

Field Length:100:

Authority:FLPMA NCSS:

Data Element Name: SOIL LOCATION TRANSECT:

Source of Information: NSH, SSM:

Form:SCS-232:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

F - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element
2 - Rewrite Previous
3 - Accept Previous

Data Element Number: :

Standards:Y: Y - YES, ESTABLISHED
N - No, not developed

Data Category:C: C - CORPORATE
D - Discretionary

Descriptive Element Name:

Element definition:

:THE GEOGRAPHIC LOCATION WHERE A SOIL TRANSECT WAS ANALYZED TO
:SUPPORT SOIL INTERPRETATIONS AND/OR PROJECTS.

:THIS COMPOUND DATA ELEMENT INCLUDES A DESCRIPTION FOR:
:LEGAL LAND DESCRIPTION (STATE, COUNTY, MERIDIAN, TOWNSHIP, RANGE,
:SECTION, ALIQUOT PART)
:AND GEOGRAPHIC COORDINATES (LATITUDE AND LONGITUDE)
:AND GEOPOLITICAL INFORMATION (BLM DISTRICT, RESOURCE AREA,
:PLANNING UNIT, SURFACE MANAGEMENT AGENCY, AND CONGRESSIONAL
:DISTRICT).

:THESE WILL BE BROKEN INTO SPECIFIC DATA ELEMENTS WHEN
:BUREAUWIDE STANDARDS ARE DEVELOPED FOR EACH.

Data Standards:

:LEGAL LAND DESCRIPTION AND GEOGRAPHIC COORDINATES AND
:GEOPOLITICAL STANDARDS.

Codes:

:ENTER ACTUAL VALUES

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 146

Field Length:250:

Authority:FLPMA NCSS:

Data Element Name: SOIL LOCATION TRANSECT NARRATIVE:

Source of Information: NSH, SSM:

Form:SCS-232:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1:

1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:

:

:

Element definition:

:A NARRATIVE OF THE GEOMORPHIC DESCRIPTION (POSITION IN

:LANDSCAPE, E.G., HILL SLOPE, DRAINAGE WAYS, RIDGES, ETC.) FOR THE:

:SITE WHERE A SOIL TRANSECT WAS ANALYZED TO SUPPORT SOIL

:INTERPRETATIONS AND/OR PROJECTS.

:

:

:

:

:

:

:

:

:

:

:

:

:

:

Data Standards:

:ALPHANUMERIC NARRATIVE TEXT

:

:

:

:

:

:

:

Codes:

:ENTER ACTUAL NARRATIVE

:

:

:

:

:

:

:

User Fields:

:

:

:

Data Set Name: SOIL RESOURCE:

RECORD : 147

Field Length:100:

Authority:FLPMA NCSS:

Data Element Name: SOIL LOCATION TYPE SERIES:

Source of Information: NCSS, SSM, NSH602-24:

Form:NONE:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE GEOGRAPHIC LOCATION OF THE OFFICIAL SOIL SERIES.

:GENERALLY ESTABLISHED WITHIN STATE BOUNDARIES.

:THIS COMPOUND DATA ELEMENT INCLUDES A DESCRIPTION FOR:

:LEGAL LAND DESCRIPTION (STATE, COUNTY, MERIDIAN, TOWNSHIP, RANGE,
:SECTION, ALIQUOT PART)

:AND GEOGRAPHIC COORDINATES (LATITUDE AND LONGITUDE)

:AND GEOPOLITICAL INFORMATION (BLM DISTRICT, RESOURCE AREA,

:PLANNING UNIT, SURFACE MANAGEMENT AGENCY, AND CONGRESSIONAL
:DISTRICT).

:THESE WILL BE BROKEN INTO SPECIFIC DATA ELEMENTS WHEN

:BUREAUWIDE STANDARDS ARE DEVELOPED FOR EACH.

Data Standards:

:LEGAL LAND DESCRIPTION AND GEOGRAPHIC COORDINATES AND

:GEOPOLITICAL STANDARDS.

Codes:

:ENTER ACTUAL VALUES

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 148

Field Length:250:

Authority:FLPMA NCSS:

Data Element Name: SOIL LOCATION TYPE SERIES NARRATIVE:

Source of Information: NCSS, SSM, NSH:

Form:NONE:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL LOCATION, TYPE, SERIES, NARRATIVE DESCRIPTION

:

:

Element definition:

:A NARRATIVE DESCRIPTION OF THE RELATIVE LOCATION OF THE SERIES

:BASED ON PHYSICAL RELATION TO CULTURAL FEATURES, TOPOGRAPHY,

:HYDROGRAPHY AND TRANSPORTATION FEATURES.

:EXAMPLE: ONE THE WEST SIDE OF HIGHWAY 101, 0.5 MILES SOUTH OF

:PRAIRIE STORE.

:

:

:

:

:

:

:

:

:

:RELATED TO DATA ELEMENT: SOIL LOCATION TYPE SERIES

:

:

:

Data Standards:

:ALPHANUMERIC NARRATIVE TEXT

:

:

:

:

:

:

:

Codes:

:ENTER ACTUAL NARRATIVE

:

:

:

:

:

:

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 149

Field Length:100:

Authority:FLPMA NCSS:

Data Element Name: SOIL LOCATION TYPE SURVEY AREA:

Source of Information: NCSS, NSH P.602-94:

Form:TAX UN DSC:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :I:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:

:

:

Element definition:

:THE GEOGRAPHIC LOCATION OF THE TYPIFYING PEDON WITHIN THE SURVEY :
:AREA. :

:

:THIS COMPOUND DATA ELEMENT INCLUDES A DESCRIPTION FOR: :
:LEGAL LAND DESCRIPTION (STATE, COUNTY, MERIDIAN, TOWNSHIP, RANGE, :
:SECTION, ALIQUOT PART) :
:AND GEOGRAPHIC COORDINATES (LATITUDE AND LONGITUDE) :
:AND GEOPOLITICAL INFORMATION (BLM DISTRICT, RESOURCE AREA, :
:PLANNING UNIT, SURFACE MANAGEMENT AGENCY, AND CONGRESSIONAL :
:DISTRICT). :

:

:THESE WILL BE BROKEN INTO SPECIFIC DATA ELEMENTS WHEN :
:BUREAUWIDE STANDARDS ARE DEVELOPED FOR EACH. :

:

:

:

:

Data Standards:

:LEGAL LAND DESCRIPTION AND GEOGRAPHIC COORDINATES AND :
:GEOPOLITICAL STANDARDS. :

:

:

:

:

:

Codes:

:ENTER ACTUAL VALUES

:

:

:

:

:

:

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 150

Field Length:250:

Authority:FLPMA NCSS:

Data Element Name: SOIL LOCATION TYPE SURVEY AREA NARRATIVE:

Source of Information: NCSS, SSM, NSH:

Form:NONE:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :I:

New/RW/Accept:1:

1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL LOCATION. TYPE. SURVEY AREA, NARRATIVE DESCRIPTION

:

:

Element definition:

:A NARRATIVE DESCRIPTION OF THE RELATIVE LOCATION OF THE TYPIFYING:

:PEDON WITHIN A SOIL SURVEY AREA BASED ON PHYSICAL RELATION TO

:CULTURAL FEATURES. TOPOGRAPHY, HYDROGRAPHY AND TRANSPORTATION

:FEATURES.

:EXAMPLE: ON THE WEST SIDE OF HIGHWAY 101, 0.5 MILES SOUTH OF

:PRAIRIE STORE.

:

:

:

:

:

:

:

:

:RELATED TO DATA ELEMENT: SOIL LOCATION TYPE SURVEY AREA

:

:

:

Data Standards:

:ALPHANUMERIC NARRATIVE TEXT

:

:

:

:

:

:

Codes:

:ENTER ACTUAL NARRATIVE

:

:

:

:

:

:

User Fields:

:

:

:

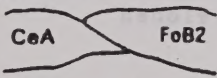
SOIL RESOURCE DATA SET

RECORD NO. 151

DATA ELEMENT NAME: SOIL MAP SYMBOLS

SYMBOLS:

REFERENCE: NATIONAL SOILS HANDBOOK, PG. 602-109 TO 602-111.

DESCRIPTION	SYMBOL
SPECIAL SYMBOLS FOR SOIL SURVEY	
SOIL DELINEATIONS AND SOIL SYMBOLS	
ESCARPMENTS	
Bedrock (points down slope)
Other than bedrock (points down slope)
SHORT STEEP SLOPE
GULLY	~~~~~
DEPRESSION OR SINK	◊
SOIL SAMPLE SITE (normally not shown)	Ⓢ
MISCELLANEOUS	
Blewout	∪
Clay spot	※
Gravelly spot	∴
Gumbo, slick or scabby spot (sodic)	⊘
Dumps and other similar non soil areas	≡
Prominent hill or peak	☀
Rock outcrop (includes sandstone and shale)	∨
Saline spot	+
Sandy spot	∴
Severely eroded spot	≡
Slide or slip (tippe point upslope)	⌋
Stony spot, very stony spot	0 ☐

Data Set Name: SOIL RESOURCE:

RECORD : 152

Field Length:3:

Authority:FLPMA NCSS:

Data Element Name: SOIL MAP UNIT COMPONENTS COMPOSITION %:

Source of Information: NCSS, NSH:

Form:MANY:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1:

1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL MAP UNIT COMPONENTS, COMPOSITION PERCENT

Element definition:

:THE AMOUNT OF EACH COMPONENT BY SURFACE AREA COMPARED TO THE

:TOTAL SURFACE AREA OF THE SOIL MAP UNIT.

Data Standards:

:MEASURED IN PERCENT TO THE NEAREST WHOLE PERCENT.

:VALUES RANGE FROM 0 TO 100

Codes:

:ENTER ACTUAL VALUE

User Fields:

RECORD : 154

Authority:FLPMA NCSS:

[illegible]

Security:PUB:

PUB - Public, no restrictions

IPR - Internal Proprietary

IN - Internal Investigatory

IOT - Internal Other

Print this record? :T:

Data Element Number:

Data Category: C: C - CORPORATE

D - Discretionary

• • • • •

• • • • •

10
 11
 12
 13
 14

1
 2
 3
 4
 5

3
 4
 5
 6
 7

• • • • •

—

2

• • • • •

• • • • •

•

•
•
•
•
•
•

:

RECORD : 155

Authority:FLPMA NCSS:

Source of Information: NCSS, NSH P.602-95:

Form:NONE:

Frequency of Use: 1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Graphics:N:

Security:PUB:

Y - Will be in GIS

PUB - Public, no restrictions

N - Will not in GIS

IPR - Internal Proprietary

U - Unknown

IN - Internal Investigatory

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category: C: C - CORPORATE

N - No, not developed

D - Discretionary

Element definition:

:THE NAME OF THE SMALLEST TAXONOMY UNIT IN A SOIL MAPPING UNIT.

: USUALLY A SOIL SERIES OR A PHASE OF SOIL SERIES.

: MAY ALSO BE A PHASE OF A HIGHER LEVEL OF A SOIL TAXONOMY UNIT

: WHEN SOIL SERIES ARE NOT USED.

Data Standards:

UP TO 128 CHARACTER ALPHANUMERIC NAME

Codes:

: ENTER ACTUAL NAME

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 156

Field Length:120:

Authority:FLPMA NCSS:

Data Element Name: SOIL MAP UNIT DESCRIPTION NARRATIVE:

Source of Information: NCSS, NSH:

Form:NONE:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :I:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:AN EXPLANATION, INTERPRETATION, OR ILLUSTRATION ABOUT A SPECIFIC :

:TOPIC OR AREA OF INTEREST THAT DESCRIBES THE :

:UNIQUE SOIL CHARACTERISTICS OR RELATIONSHIPS CONCERNING A SOIL :

:MAP UNIT.

Data Standards:

:ALPHANUMERIC NARRATIVE TEXT

Codes:

:ENTER ACTUAL NARRATIVE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 158

Field Length:12:

Authority:FLPMA NCSS:

Data Element Name: SOIL MAP UNIT NAME:

Source of Information: NCSS, NSH:

Form:MANY:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2:

1 - New Element

Data Element Number:4601:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:NAME OF A DISTINCT AREA OF SIMILAR SOILS AND VEGETATION TYPES

:WITHIN A SOIL SURVEY AREA.

Data Standards:

:TWELVE CHARACTER ALPHANUMERIC CODE

:RELATES TO SCS SOIL MAP UNIT NAME FOR SPECIFIC SOIL SURVEY AREA

:(SECTION 602.01-430-VI-NSH, JULY 1983, SCS, USDA).

:FORMAT: SSDDDAAXXC

:SS = STATE ABBREVIATION; DDD = FIELD OFFICE CODE;

:AAAA = ALLOTMENT NUMBER; XX = PROJECT CODE;

:C = CORRELATION STATUS

Codes:

:ENTER ACTUAL CODE

User Fields:

RECORD : 159

Authority:FLPMA NCSS:

Source of Information: NCSS, NSH P.602-108:

Frequency of Use: 1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Security:PUB:

PUB - Public, no restrictions

IPR - Internal Proprietary

IN - Internal Investigatory

IOT - Internal Other

Print this record? :T:

0 - Other

2 - Rewrite Previous

3 - Accept Previous

D - Discretionary

N - No, not developed

Element definition:

: A UNIQUE IDENTIFIER FOR A SOIL MAPPING UNIT.

:RELATED TO DATA ELEMENT: SOIL MAP UNIT NAME

-THREE TO FIVE CHARACTER ALPHANUMERIC NUMBER

- ENTER ACTUAL NUMBER

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 160

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL MEASUREMENT TYPE FIELD OR LAB:

Source of Information: NCSS:

Form:MANY:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL MEASUREMENT TYPE, FIELD OR LABORATORY ANALYSIS

Element definition:

:IDENTIFIER WHICH IS RELATED TO OTHER DATA ELEMENTS TO DISTINGUISH:

:BETWEEN FIELD MEASUREMENT AND LABORATORY ANALYSIS MEASUREMENT OF :

:SPECIFIC DATA.

Data Standards:

:ONE CHARACTER ALPHABETIC CODE

Codes:

:F = FIELD MEASUREMENT

:L = LABORATORY ANALYSIS MEASUREMENT

User Fields:

RECORD. : 161

Data Element Name: SOIL MOISTURE REGIMES:

Form:SCS-232&5:

Frequency of Use: L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

```
Automated:O:      Graphics:Y:      Security:PUB:
N - Not Automated  Y - Will be in GIS  PUB - Public. no restrictions
L - DPS6 Honeywell N - Will not in GIS IPR - Internal Proprietary
D - DPS87D Honeywell U - Unknown  IN - Internal Investigatory
M - Micro Based Sys IOT - Internal Other
P - Prime System
G - Data General   O - Other
Print this record? :T:
```

New/RW/Accept:1: 1 - New Element Data Element Number: 01 :
2 - Rewrite Previous
3 - Accept Previous
Standards:Y: Y - YES, ESTABLISHED Data Category:C: C - CORPORATE
N - No, not developed D - Discretionary

Descriptive Element Name:

Element definition:

: A NAME FOR A CLASS OF SOIL MOISTURE DESCRIBED IN TERMS OF THE
: GROUND-WATER LEVEL OR THE PRESENCE OF SOIL WATER HELD AT A
: TENSION OF LESS THAN 15 BARS (BAROMETRIC PRESSURE TENSION)
: WHICH IS EQUIVALENT TO 1500 KPAS (KILOPASCALS) IN THE MOISTURE
: CONTROL SECTION BY PERIODS (SEASONS) OF THE YEAR.

Data Standards:

: FIVE TO SEVEN CHARACTER ALPHABETIC NAME

Codes:

:SEE ATTACHED SHEET FOR 7 MAJOR CLASS NAMES

User Fields:

SOIL RESOURCE DATA SET

RECORD NO. 161

DATA ELEMENT NAME: SOIL MOISTURE REGIMES

NAMES:

AQUIC	Soil is saturated by ground-water causing soil to be virtually free of dissolved oxygen (duration of the period is not known, commonly the level of ground-water fluctuates with the season).
ARIDIC	The moisture control section in most years is dry in all parts more than half the time (cumulative) and never moist in some or all parts for as long as 90 consecutive days.
TORRIC	A subset of ARIDIC used in a different category of soil taxonomy.
UDIC	In most years the soil moisture control section is not dry in any part for as long as 90 days (cumulative).
PERUDIC	A subset of UDIC. Extremely wet moisture regime used if relevant to the genesis of the soils.
USTIC	Intermediate between ARIDIC and UDIC, there is limited moisture, but the moisture is present at a time when conditions are suitable for plant growth.
XRIC	Typified in mediterranean climates, where winters are moist and cool and summers are warm and dry. Soil moisture control section is dry in all parts for 45 or more consecutive days within the 4 months that follow the summer solstice in 6 or more years out of 10. It is moist in all parts for 45 or more consecutive days within the 4 months that follow the winter solstice in 6 or more years out of 10.

Data Set Name: SOIL RESOURCE:

RECORD : 163

Field Length:5:

Authority:FLPMA NCSS:

Data Element Name: SOIL MOISTURE PERCENT 1/10 BAR:

Source of Information: AG. HDBK #60:

Form:MANY:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :I:

New/RW/Accept:2: 1 - New Element

Data Element Number:4628:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL MOISTURE, PERCENT, 1/10 BAROMETRIC PRESSURE

Element definition:

:THE MEASURED AMOUNT OF MOISTURE BY WEIGHT HELD IN A SOIL AT 1/10 :

:BAR (BAROMETRIC PRESSURE) [WHICH IS EQUIVALENT TO 10 KPAS :

: (KILOPASCALS)] TENSION COMPARED TO THE TOTAL SOIL DRY WEIGHT. :

Data Standards:

:MEASURED IN PERCENT TO THE NEAREST TENTH.

:VALUES RANGE FROM 0.0 TO 499.9

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 164

Field Length:5:

Authority:FLPMA NCSS:

Data Element Name: SOIL MOISTURE PERCENT 1/3 BAR:

Source of Information: AG. HDBK #60:

Form:MANY:

Frequency of Use:1M: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number:4629:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL MOISTURE, PERCENT, 1/3 BAROMETRIC PRESSURE

:

:

Element definition:

:THE MEASURED AMOUNT OF MOISTURE BY WEIGHT HELD IN A SOIL AT 1/3

:BAR (BAROMETRIC PRESSURE) [WHICH IS EQUIVALENT TO 33 KPAS

: (KILOPASCALS)] TENSION COMPARED TO THE TOTAL SOIL DRY WEIGHT.

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

Data Standards:

:MEASURED IN PERCENT TO THE NEAREST TENTH.

:VALUES RANGE FROM 0.0 TO 499.9

:

:

:

:

:

:

Codes:

:ENTER ACTUAL VALUE

:

:

:

:

:

:

User Fields:

:

:

:

Data Set Name: SOIL RESOURCE:

RECORD : 165

Field Length:5:

Authority:FLPMA NCSS:

Data Element Name: SOIL MOISTURE PERCENT 15 BAR:

Source of Information: AG. HDBK #60:

Form:MANY:

Frequency of Use:1M: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number:4630:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL MOISTURE, PERCENT, 15 BAROMETRIC PRESSURE

Element definition:

:THE MEASURED AMOUNT OF MOISTURE BY WEIGHT HELD IN A SOIL AT 15

:BAR (BAROMETRIC PRESSURE) [WHICH IS EQUIVALENT TO 1500 KPAS

:(KILOPASCALS)] TENSION COMPARED TO THE TOTAL SOIL DRY WEIGHT.

Data Standards:

:MEASURED IN PERCENT TO THE NEAREST TENTH.

:VALUES RANGE FROM 0.0 TO 499.9

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 166

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL MOISTURE PERCENT CLASS:

Source of Information: NCSS, SSM4P22-28:

Form:SCS-232:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :1:

New/RW/Accept:2:

1 - New Element

Data Element Number:4688:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:A QUALITATIVE DESCRIPTIVE TERM FOR SOIL MOISTURE

:CONTENT AT THE TIME A SOIL EXAMINATION IS MADE IN THE FIELD.

:RELATED TO DATA ELEMENT: SOIL MOISTURE PERCENT DEPTH

Data Standards:

:ONE CHARACTER ALPHABETIC CODE

Codes:

:U = UNSPECIFIED

:D = DRY

:M = MOIST

:V = VERY MOIST

:W = WET

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 167

Field Length:2:

Authority:FLPMA NCSS:

Data Element Name: SOIL MOISTURE PERCENT DEPTH:

Source of Information: NCSS, SSM, NSH:

Form:SCS-232:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number:2511:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE MEASURED DISTANCE FROM THE SOIL SURFACE OF MINERAL SOIL TO

:WHERE THE SOIL MOISTURE IS MEASURED.

:RELATED TO DATA ELEMENT: SOIL MOISTURE PERCENT

Data Standards:

:MEASURED IN INCHES TO THE NEAREST INCH.

:VALUES RANGE FROM 0 TO 99

:DETERMINED BY FIELD MEASUREMENT

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD: 168

Field Length:9:

Authority:FLPMA NCSS:

Data Element Name: SOIL MOTTLES COLOR:

Source of Information: NCSS, SSM4P69:

Form:SCS-232:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record?:T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:

:

:

Element definition:

:A CLASSIFICATION SYSTEM WHICH IDENTIFIES THE COLOR OF

:MOTTLES (AREAS MARKED WITH SPOTS OF CONTRASTING SOIL COLOR).

:

:INCLUDES ELEMENTS HUE, VALUE, AND CHROMA.

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

Data Standards:

:FOUR TO NINE CHARACTER ALPHANUMERIC CODE

:

:DETERMINED FROM VISUAL FIELD COMPARISON WITH MEASURED MUNSELL

:SOIL COLOR CHARTS.

:

:

:

:

:

:

:

:

:

:

:

:

:

User Fields:

:

:

:

Data Set Name: SOIL RESOURCE:

RECORD : 169

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL MOTTLES CONTRAST:

Source of Information: NCSS, SSM4P67:

Form:SCS-232:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:A GENERAL DESCRIPTIVE TERM REFERRING TO THE
:DEGREE OF VISUAL DISTINCTION THAT IS EVIDENT BETWEEN THE COLORS
:OF THE MOTTLES (AREAS MARKED WITH SPOTS OF CONTRASTING SOIL
:COLOR) AND THE MATRIX SOIL.

Data Standards:

:ONE CHARACTER ALPHABETIC CODE
:DETERMINED BY FIELD OBSERVATION

Codes:

:F = FAINT, EVIDENT ONLY ON CLOSE EXAMINATION
:D = DISTINCT, READILY SEEN, BUT CONTRAST ONLY MODERATE
:P = PROMINENT, CONTRAST STRONGLY WITH COLOR COMPARISON

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 171

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL MOTTLES SIZE:

Source of Information: NCSS, SSM4P67:

Form:SCS-232:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

: A GENERAL DESCRIPTIVE TERM IDENTIFYING THE
: APPROXIMATE SIZE OF THE MOTTLES (AREAS MARKED WITH SPOTS OF
: CONTRASTING COLOR) AS SEEN ON THE SOIL PED SURFACE.
: BASED ON THE DIAMETER OF THE MOTTLE.

Data Standards:

: ONE CHARACTER ALPHABETIC CODE
: DETERMINED BY FIELD OBSERVATION

Codes:

: F = FINE, SMALLER THAN 5 MILLIMETER
: M = MEDIUM, 5 TO 15 MILLIMETER
: C = COARSE, LARGER THAN 15 MILLIMETER

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD.: 172

Field Length:4000:

Authority:FLPMA NCSS:

Data Element Name: SOIL NOTES NARRATIVE:

Source of Information: SSM, NSH:

Form:SCS-232:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:A NARRATIVE, LISTING, OR COMPILATION OF OFFICE, FIELD, AND

:LABORATORY DATA USED TO SUPPORT SOIL ACTIVITIES.

Data Standards:

:ALPHANUMERIC TEXT

Codes:

:ENTER ACTUAL NARRATIVE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 173

Field Length:25:

Authority:FLPMA NCSS:

Data Element Name: SOIL PARENT MATERIAL:

Source of Information: NCSS, NSH P.607.01:

Form:SCS-232:

Frequency of Use:2M: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

: DESCRIPTIVE NAME FOR MATERIAL FROM WHICH THE SOIL IS FORMED WHICH:

: CAN BE COMPOSED OF A VARIETY OF UNCONSOLIDATED ORGANIC AND :

: MINERAL MATERIALS OR THE CONDITION OF THE MATERIAL :

: (E.G., PERMAFROST). :

Data Standards:

: UP TO 25 CHARACTER ALPHABETIC NAME :

Codes:

: SEE ATTACHED SHEET FOR 83 NAMES :

User Fields:

SOIL RESOURCE DATA SET

RECORD NO. 173

DATA ELEMENT NAME: SOIL PARENT MATERIAL

NAMES:

Ablation till	Lamination (lamina)
Alluvium	Limestone
Arent	Lithologic
Ash	Lodgment till
Basal till	Loess
Bedrock	Marl
Blocks	Metamorphic rock
Block field	Muck
Boulder field	Mudstone
Breccia	Outcrop
Caliche	Paleosol
Chert	Peat
Cinder	Pedisediment
Cinders	Permafrost
Clast	Plutonic
Clastic	Pumice
Colluvium	Pyroclastic
Conglomerate	Regolith
Debris	Residium
Desert pavement	Rubble
Detritus (geol.)	Sandstone
Dolomite (mineral)	Saprolite
Dolomite (rock)	Scoria
Drift (glacial geology)	Scree
Eolian	Sediment
Epiclastic	Sedimentary rock
Erosion pavement	Shale
Facies (stratigraphy)	Siltstone
Felsenmeer	Slope alluvium
Flowtill	Sloughed till
Formation (stratigraphy)	Stone line
Glacial drift	Supraglacial till
Glacial marine	Talus
Glacial outwash	Tephra
Glacial till	Till (glacial)
Glaciofluvial deposits	Tuff
Glaciolacustrine deposits	Valley fill
Glaciomarine	Valley side alluvium
Igneous rock	Varve
Intrusive	Ventifact
Lacustrine deposit	Volcaniclastic
Lahar	

RECORD : 174

Authority:FLPMA NCSS:

Source of Information: NCSS. NSH:

Form:SCS-SOI-5:

Frequency of Use: L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Graphics:N:

Security: PUB:

Y - Will be in GIS

PUB - Public, no restrictions

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

G - Data General O - Other

Print this record? :Y:

New/RW/Accept:2: 1 - New Element

Data Element Number: 4517:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category: C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

: A GENERAL DESCRIPTIVE TERM WHICH INDICATES

: THE RATE AT WHICH A SOIL PROFILE

:OR LAYER WILL TRANSMIT WATER WHILE SATURATED.

:BASED ON THE RATE OF PERMEABILITY IN INCHES PER HOUR.

Data Standards:

:ONE TO THREE CHARACTER ALPHABETIC CODE

Codes:

:VSL = VERY SLOW = LESS THAN 0.06 INCHES PER HOUR

:SL = SLOW = 0.06 - 0.2 INCHES PER HOUR

:MSL = MODERATELY SLOW = 0.2 - 0.6 INCHES PER HOUR

:M = MODERATE = 0.6 - 2.0 INCHES PER HOUR

:MRA = MODERATELY RAPID = 2.0 - 6.0 INCHES PER HOUR

:RA = RAPID = 6.0 - 20 INCHES PER HOUR

:VRA = VERY RAPID = MORE THAN 20 INCHES PER HOUR

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 175

Field Length:5: Authority:FLPMA NCSS:

Data Element Name: SOIL PERMEABILITY RATE HIGH:

Source of Information: NCSS, NSH P.603-19:

Form:SCS-SOI-5:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:	Graphics:N:	Security:PUB:
N - Not Automated	Y - Will be in GIS	PUB - Public, no restrictions
L - DPS6 Honeywell	N - Will not in GIS	IPR - Internal Proprietary
D - DPS87D Honeywell	U - Unknown	IN - Internal Investigatory
M - Micro Based Sys		IOT - Internal Other
F - Prime System		
G - Data General	0 - Other	Print this record? :T:

New/RW/Accept:1:	1 - New Element	Data Element Number:	:
	2 - Rewrite Previous		
	3 - Accept Previous		
Standards:Y:	Y - YES. ESTABLISHED	Data Category:C:	C - CORPORATE
	N - No, not developed		D - Discretionary

Descriptive Element Name:

Element definition:

:THE MAXIMUM MEASURED RATE AT WHICH A SOIL
:PROFILE OR LAYER WILL TRANSMIT WATER WHILE SATURATED.

Data Standards:

:MEASURED IN INCHES PER HOUR TO THE NEAREST HUNDREDTH INCH.
:VALUES RANGE FROM 0.0 TO 99.99
:DETERMINED BY LAB ANALYSIS FROM TWO OR MORE SAMPLES

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 176

Field Length:5:

Authority:FLPMA NCSS:

Data Element Name: SOIL PERMEABILITY RATE LOW:

Source of Information: NCSS, NSH P.603-19:

Form:SCS-SOI-5:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE MINIMUM MEASURED RATE AT WHICH A SOIL

:PROFILE OR LAYER WILL TRANSMIT WATER WHILE SATURATED.

Data Standards:

:MEASURED IN INCHES PER HOUR TO THE NEAREST HUNDREDTH INCH.

:VALUES RANGE FROM 0.00 TO 99.99

:DETERMINED BY LAB ANALYSIS FROM TWO OR MORE SAMPLES

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 178

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL PLASTIC LIMIT HIGH:

Source of Information: NCSS, NSH P.603-14:

Form:SCS-SOI-5:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE MAXIMUM MEASURED AMOUNT OF MOISTURE BY WEIGHT COMPARED TO

:THE TOTAL SOIL DRY WEIGHT OVER WHICH A SOIL EXHIBITS

:THE CHARACTERISTICS OF A PLASTIC SOLID,

:I.E., CAN BE DEFORMED WITHOUT RUPTURING.

:BASED ON SOIL PARTICLES SMALLER THAN 0.425 MILLIMETERS IN SIZE.

Data Standards:

:MEASURED IN PERCENT TO THE NEAREST TENTH.

:VALUES RANGE FROM 0.0 TO 99.9

:BY ATTERBERG LIMITS

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

Field Length:4: Authority:FLPMA NCSS:

Data Element Name: SOIL PLASTIC LIMIT LOW:

Source of Information: NCSS, NSH P.603-14:

Form:SCS-SOI-5:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element
2 - Rewrite Previous
3 - Accept Previous

Data Element Number: :

Standards:Y: Y - YES, ESTABLISHED
N - No, not developed

Data Category:C: C - CORPORATE
D - Discretionary

Descriptive Element Name:

Element definition:

:THE MINIMUM MEASURED AMOUNT OF MOISTURE BY WEIGHT COMPARED TO
:THE TOTAL SOIL DRY WEIGHT OVER WHICH A SOIL EXHIBITS
:THE CHARACTERISTICS OF A PLASTIC SOLID
:I.E., CAN BE DEFORMED WITHOUT RUPTURING.
:BASED ON SOIL PARTICLES SMALLER THAN 0.425 MILLIMETERS.

Data Standards:

:MEASURED IN PERCENT TO THE NEAREST TENTH.
:VALUES RANGE FROM 0.0 TO 99.9
:BY ATTERBERG LIMITS

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 180

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL PLASTIC LIMIT SPECIFIC:

Source of Information: NCSS, NSH P.603-14:

Form:SCS-SOI-5:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :1:

New/RW/Accept:2: 1 - New Element

Data Element Number:4564:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE SPECIFIC MEASURED AMOUNT OF MOISTURE BY WEIGHT COMPARED TO
:THE TOTAL SOIL DRY WEIGHT OVER WHICH A SOIL EXHIBITS THE
:CHARACTERISTICS OF A PLASTIC SOLID,
:I.E., CAN BE DEFORMED WITHOUT RUPTURING.
:BASED ON SOIL PARTICLES SMALLER THAN 0.425 MILLIMETERS.

Data Standards:

:MEASURED IN PERCENT TO THE NEAREST TENTH.
:VALUES RANGE FROM 0.0 TO 99.9
:BY ATTERBERG LIMITS

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 181

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL PLASTICITY INDEX HIGH:

Source of Information: NCSS, NSH P.603-14:

Form:SCS-SOI-5:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1:

1 - New Element

Data Element Number:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE NUMERICAL DIFFERENCE BETWEEN THE HIGH LIQUID LIMIT AND THE
:HIGH PLASTIC LIMIT.

:BASED ON SOIL PARTICLES SMALLER THAN 0.425 MILLIMETERS.

:RELATED TO DATA ELEMENT: SOIL LIQUID LIMIT HIGH
:SOIL PLASTIC LIMIT HIGH

Data Standards:

:FOUR DIGIT NUMERIC

:VALUES RANGE FROM 0.0 TO 99.9

Codes:

:ENTER ACTUAL NUMBER

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 182

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL PLASTICITY INDEX LOW:

Source of Information: NCSS, NSH P.603-14:

Form:SCS-SOI-5:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1:

1 - New Element

Data Element Number:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE NUMERICAL DIFFERENCE BETWEEN THE LOW LIQUID LIMIT AND THE
:LOW PLASTIC LIMIT.

:BASED ON SOIL PARTICLES SMALLER THAN 0.425 MILLIMETERS.

:RELATED TO DATA ELEMENT: SOIL LIQUID LIMIT LOW
:SOIL PLASTIC LIMIT LOW

Data Standards:

:FOUR DIGIT NUMERIC

:VALUES RANGE FROM 0.0 TO 99.9

Codes:

:ENTER ACTUAL NUMBER

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 183

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL PLASTICITY INDEX SPECIFIC:

Source of Information: NCSS, NSH P.603-14:

Form:SCS-SOI-5:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:
:
:

:
:
:

Element definition:

:THE NUMERICAL DIFFERENCE BETWEEN THE SPECIFIC LIQUID LIMIT

:AND THE SPECIFIC PLASTIC LIMIT.

:BASED ON SOIL PARTICLES SMALLER THAN 0.425 MILLIMETERS.

:RELATED TO DATA ELEMENT: SOIL LIQUID LIMIT SPECIFIC

SOIL PLASTIC LIMIT SPECIFIC

Data Standards:

:FOUR DIGIT NUMERIC

:VALUES RANGE FROM 0.0 TO 99.9

Codes:

:ENTER ACTUAL NUMBER

User Fields:

:

:

:

RECORD : 184

Authority:FLPMA NCSS:

Source of Information: NCSS, PEDON HDBKP10:

Form:SCS-232:

Frequency of Use: L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Graphics:N:

Security:PUB:

Y - Will be in GIS

PUB - Public, no restrictions

N - Will not in GIS

IPR - Internal Proprietary

U - Unknown

IN - Internal Investigatory

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number: 4631:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category: C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

[illegible]

Element definition:

:A QUALITATIVE TERM FOR THE LOCATION OF SOIL PORE SPACES (SPACE
:NOT OCCUPIED BY SOIL PARTICLES) OCCURRING IN A BULK VOLUME OF
:SOIL. BASED ON WHETHER THE SOIL PORES ARE LOCATED WITHIN THE
:SOIL PEDS (INPED) OR BETWEEN PEDS (EXPED).

Data Standards:

:FIVE CHARACTER ALPHABETIC CODE

* DETERMINED BY FIELD OBSERVATION FOR AN INDIVIDUAL SOIL SAMPLE

:OR HORIZON

Codes:

:INPED

: EXPED

User Fields:

•

75	28
80	30

● ●

RECORD : 185

Authority:FLPMA NCSS:

Source of Information: NCSS, SSM4P85:

Frequency of Use: 2W= 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Security:PUB:

Y - Will be in GIS

PUB - Public, no restrictions

N - Will not in GIS

IPR - Internal Proprietary

U - Unknown

IN - Internal Investigatory

IOT - Internal Other

Print this record? :T:

0 - Other

Data Element Number: 4631:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Element definition:

: A GENERAL DESCRIPTIVE TERM FOR THE NUMBER OF SOIL

: PORE SPACES (SPACE NOT OCCUPIED BY SOIL PARTICLES) OCCURRING IN

: A BULK VOLUME OF SOIL.

:BASED ON THE NUMBER OF SOIL PORES PER UNIT AREA

: FOR A PARTICULAR SIZE OF SOIL PORE:

: 1 SQUARE CENTIMETER FOR VERY FINE AND FINE PORES, AND

: 1 SQUARE DECIMETER FOR MEDIUM AND COARSE PORES.

:RELATED TO DATA ELEMENT: SOIL PORES SIZE

Data Standards:

:ONE DIGIT NUMERIC CODE

:VALUES RANGE FROM 1 TO 3

* DETERMINED BY FIELD OBSERVATION FOR AN INDIVIDUAL SOIL SAMPLE

: OR HORIZON.

Codes:

$\therefore 1 = \text{FEW} - \quad (1 \text{ PER UNIT AREA})$

:2 = COMMON - 1 - 5 PER UNIT AREA

:3 = MANY - > 5 PER UNIT AREA

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 186

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL PORES SHAPE:

Source of Information: NCSS, SSM:

Form:SCS-232:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :I:

New/RW/Accept:2:

1 - New Element

Data Element Number:4631:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:A QUALITATIVE DESCRIPTIVE TERM FOR THE

:RELATIVE SHAPE OF SOIL PORE SPACES (SPACE NOT OCCUPIED BY SOIL

:PARTICLES) OCCURRING IN A BULK VOLUME OF SOIL.

Data Standards:

:ONE CHARACTER ALPHABETIC CODE

:DETERMINED BY FIELD OBSERVATION FOR AN INDIVIDUAL SOIL SAMPLE

:OR HORIZON.

Codes:

:V = VESICULAR - APPROXIMATELY SPHERICAL OR ELLIPTICAL

:I = IRREGULAR - OTHER

:T = TUBULAR - APPROXIMATELY CYLINDRICAL AND ELONGATED

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 127

Field Length:2:

Authority:FLPMA NCSS:

Data Element Name: SOIL PORES SIZE:

Source of Information: NCSS, SSM:

Form:SCS-232:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :I:

New/RW/Accept:2: 1 - New Element

Data Element Number:4631:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:A GENERAL DESCRIPTIVE TERM FOR THE SIZE OF

:SOIL PORE SPACES (SPACE NOT OCCUPIED BY SOIL PARTICLES) OCCURRING:

:IN A BULK VOLUME OF SOIL.

:BASED ON THE DIAMETER OF SOIL PORE SPACE MEASURED IN

:MILLIMETERS (MM) ACROSS THE SMALLEST DIMENSION.

Data Standards:

:ONE OR TWO CHARACTER ALPHABETIC CODE

:DETERMINED BY FIELD OBSERVATION FOR AN INDIVIDUAL SOIL SAMPLE

:OR HORIZON.

Codes:

:VF = VERY FINE - (0.1 - 0.5 MM)

:F = FINE - (0.5 TO 2 MM)

:M = MEDIUM - (2 TO 5 MM)

:CO = COARSE - (GREATER THAN 5 MM)

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 188

Field Length:7:

Authority:FLPMA NCSS:

Data Element Name: SOIL PROPERTIES ACCUMU AMOUNT HIGH:

Source of Information: NCSS,H441D-1,NSH,SSM:

Form:SITFORM:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL PROPERTIES, ACCUMULATION, AMOUNT, HIGH

Element definition:

:THE MAXIMUM MEASURED CONCENTRATION FOR THE

:PHYSICAL AND CHEMICAL SOIL PROPERTY IDENTIFIED THAT MAY INFLUENCE:

:VEGETATION, SOIL CLASSIFICATION, OR SOIL USE.

:RELATED TO DATA ELEMENT: SOIL PROPERTIES ACCUMULATION TYPE

Data Standards:

:MEASURED IN PERCENT, PARTS PER MILLION, OR MILLIEQUIVALENTS PER

:100 GRAMS TO THE NEAREST THOUSANDTH.

:VALUES RANGE FROM 0.000 TO 100.000

:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT UNIT OF MEASURE

:TO IDENTIFY TYPE.

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 189

Field Length:7:

Authority:FLPMA NCSS:

Data Element Name: SOIL PROPERTIES ACCUMU AMOUNT LOW:

Source of Information: NCSS,H441D-1,NSH,SSM:

Form:SITFORM:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL PROPERTIES, ACCUMULATION, AMOUNT, LOW

Element definition:

:THE MINIMUM MEASURED CONCENTRATION FOR THE

:PHYSICAL AND CHEMICAL SOIL PROPERTY IDENTIFIED THAT MAY INFLUENCE:

:VEGETATION, SOIL CLASSIFICATION, OR SOIL USE.

:RELATED TO DATA ELEMENT: SOIL PROPERTIES ACCUMULATION TYPE

Data Standards:

:MEASURED IN PERCENT, PARTS PER MILLION OR MILLIEQUIVALENTS PER

:100 GRAMS TO THE NEAREST THOUSANDTH.

:VALUES RANGE FROM 0.001 TO 100.000

:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT UNIT OF MEASURE

:TO IDENTIFY TYPE.

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 190

Field Length:3:

Authority:FLPMA NCSS:

Data Element Name: SOIL PROPERTIES ACCUMU MAX DEPTH TO:

Source of Information: NCSS,H4410-1,NSH,SSM:

Form:SITEFORM:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL PROPERTIES, ACCUMULATION, MAXIMUM DEPTH TO

Element definition:

:THE LONGEST MEASURED DISTANCE FROM THE SOIL SURFACE TO WHERE THE

:ACCUMULATION (INCREASE) IN PHYSICAL OR CHEMICAL SOIL PROPERTIES

:THAT MAY INFLUENCE VEGETATION, SOIL CLASSIFICATION OR SOIL USE.

Data Standards:

:MEASURED IN INCHES OR CENTIMETERS TO THE NEAREST WHOLE UNIT.

:VALUES RANGE FROM 0 TO 999

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 191

Field Length:3:

Authority:FLPMA NCSS:

Data Element Name: SOIL PROPERTIES ACCUMU MIN DEPTH TO:

Source of Information: NCSS,H4410-1,NSH,SSM:

Form:SITFORM:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:1:

1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL PROPERTIES ACCUMULATION, MINIMUM DEPTH TO

:

:

Element definition:

:THE SHORTEST MEASURED DISTANCE FROM THE SOIL SURFACE TO WHERE THE:

:ACCUMULATION (INCREASE) IN PHYSICAL OR CHEMICAL SOIL PROPERTIES :

:THAT MAY INFLUENCE VEGETATION, SOIL CLASSIFICATION, OR SOIL USE. :

:

:

:

:

:

:

:

:

:

:

:

:

:

:

Data Standards:

:MEASURED IN INCHES OR CENTIMETERS TO THE NEAREST WHOLE UNIT.

:VALUES RANGE FROM 0 TO 999

:

:

:

:

:

Codes:

:ENTER ACTUAL VALUE

:

:

:

:

:

:

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 192

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL PROPERTIES ACCUMU TYPE:

Source of Information: NCSS,H441D-1,NSH,SSM:

Form:SITEFORM:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL PROPERTIES, ACCUMULATION, TYPE

:

:

Element definition:

:THE KIND OF PHYSICAL AND CHEMICAL SOIL PROPERTIES THAT

:MAY INFLUENCE VEGETATION, SOIL CLASSIFICATION, OR SOIL USE.

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

Data Standards:

:ONE DIGIT NUMERIC CODE

:VALUES RANGE FROM 1 TO 7

:

:

:

:

:

:

Codes:

:1 = ORGANIC CARBON

:2 = CLAY

:3 = CALCIUM CARBONATE EQUIVALENT

:4 = GYPSUM

:5 = DURINODES

:6 = WEAK SILICA CEMENTATION

:7 = OTHER TO BE DESIGNATED

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 193

Field Length:3:

Authority:FLPMA NCSS:

Data Element Name: SOIL REACTION (PH) CLASS:

Source of Information: NCSS, SSM4P89:

Form:SCS-SOI-5:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :I:

New/RW/Accept:2: 1 - New Element

Data Element Number:4641:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:A GENERAL DESCRIPTIVE TERM FOR A RANGE OF

:REACTION VALUES (PH = NEGATIVE LOGARITHM OF THE HYDROGEN ION

:CONCENTRATION) FOR ONE SAMPLE OR RANGE OR AVERAGE OF MULTIPLE

:SAMPLES FOR A SOIL HORIZON.

:DESCRIBED BY 11 GENERAL CLASSES.

:RELATED TO DATA ELEMENT: SOIL HORIZON MASTER CURRENT

Data Standards:

:ONE TO THREE CHARACTER ALPHABETIC CODE

:DETERMINED BY FIELD OR LAB ANALYSIS

:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT SOIL MEASUREMENT

:TYPE, FIELD OR LAB TO IDENTIFY TYPE.

Codes:

:SEE ATTACHED SHEET FOR 11 CODES

User Fields:

SOIL RESOURCE DATA SET

RECORD NO. 193

DATA ELEMENT NAME: SOIL REACTION (PH), CLASS

CODES:

UC	Ultra acid	< 3.5
EC	Extremely acid	3.5 - 4.4
VSC	Very strongly acid	4.5 - 5.0
SC	Strongly acid	5.1 - 5.5
MC	Moderately acid	5.6 - 6.0
SC	Slightly acid	6.1 - 6.5
N	Neutral	6.6 - 7.3
MD	Mildly alkaline	7.4 - 7.8
MK	Moderately alkaline	7.9 - 8.4
SK	Strongly alkaline	8.5 - 9.0
VSK	Very strongly alkaline	> 9.0

Data Set Name: SOIL RESOURCE:

RECORD : 194

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL REACTION (PH) HIGH:

Source of Information: NCSS, SSM4P89:

Form:SCS-232:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1:

1 - New Element

Data Element Number:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE MAXIMUM MEASURED VALUE OF REACTION (PH = NEGATIVE LOGARITHM
:OF THE HYDROGEN ION CONCENTRATION) FROM TWO OR MORE SAMPLES
:WITHIN A SOIL HORIZON.

:RELATED TO DATA ELEMENT: SOIL HORIZON MASTER CURRENT

Data Standards:

:MEASURED IN PH TO THE NEAREST TENTH.

:VALUES RANGE FROM 1.0 TO 14.0

:DETERMINED BY FIELD OR LAB ANALYSIS

:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT SOIL MEASUREMENT

:TYPE, FIELD OR LAB TO IDENTIFY TYPE.

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 195

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL REACTION (PH) LOW:

Source of Information: NCSS, SSM4P89:

Form:SCS-232:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1:

1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE MINIMUM MEASURED VALUE OF REACTION (PH = NEGATIVE LOGARITHM
:OF THE HYDROGEN ION CONCENTRATION) FROM TWO OR MORE SAMPLES
:WITHIN A SOIL HORIZON.

:RELATED TO DATA ELEMENT: SOIL HORIZON MASTER CURRENT

Data Standards:

:MEASURED IN PH TO THE NEAREST TENTH.
:VALUES RANGE FROM 1.0 TO 14.0

:DETERMINED BY FIELD OR LAB ANALYSIS
:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT SOIL MEASUREMENT
:TYPE, FIELD OR LAB TO IDENTIFY TYPE.

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 196

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL REACTION (PH) SPECIFIC:

Source of Information: NCSS, SSM4P89:

Form:SCS-232:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

M - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

P - Prime System

IOT - Internal Other

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number:4642:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE SPECIFIC MEASURED VALUE OF REACTION (PH = NEGATIVE LOGARITHM :
:OF THE HYDROGEN ION CONCENTRATION) FROM A SINGLE SAMPLE WITHIN A :
:SOIL HORIZON. :

:RELATED TO DATA ELEMENT: SOIL HORIZON MASTER CURRENT :

Data Standards:

:MEASURED IN PH TO THE NEAREST TENTH. :

:VALUES RANGE FROM 1.0 TO 14.0 :

:DETERMINED BY FIELD OR LAB ANALYSIS :

:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT SOIL MEASUREMENT :

:TYPE, FIELD OR LAB TO IDENTIFY TYPE. :

Codes:

:ENTER ACTUAL VALUE :

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 197

Field Length:40:

Authority:FLPMA NCSS:

Data Element Name: SOIL REFERENCE:

Source of Information: NCSS, NSH P.604.03:

Form:NONE:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:NAME OF KEY SOIL SERIES SELECTED TO REPRESENT AN
:IMPORTANT AREA OR DATABASE OR IS OF SPECIAL SIGNIFICANCE TO
:RESOURCE USE AND MANAGEMENT (SIMILAR TO BENCHMARK SOILS).

Data Standards:

:UP TO 40 CHARACTER ALPHABETIC NAME

Codes:

:ENTER ACTUAL NAME

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 198

Field Length:2:

Authority:FLPMA NCSS:

Data Element Name: SOIL ROCK FRAGMENTS 35 - 50% MAX DEPTH:

Source of Information: NCSS, SSM, NSH:

Form:SITEFORM:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL ROCK FRAGMENTS, 35 TO 50 PERCENT, MAXIMUM DEPTH

Element definition:

:THE LONGEST MEASURED DISTANCE FROM THE SOIL SURFACE TO WHERE THE :

:SOIL PROFILE CONTAINS BY VOLUME 35 TO 50 PERCENT OF TOTAL SOIL :

:VOLUME, ROCK FRAGMENTS LARGER THAN 2 MILLIMETERS IN SIZE. :

Data Standards:

:MEASURED IN INCHES OR CENTIMETERS TO THE NEAREST WHOLE UNIT. :

:VALUES RANGE FROM 0 TO 99 :

:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT UNIT OF MEASURE :

:TO IDENTIFY TYPE. :

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 199

Field Length:2:

Authority:FLPMA NCSS:

Data Element Name: SOIL ROCK FRAGMENTS 35 - 50% MIN DEPTH:

Source of Information: NCSS, SSM, NSH:

Form:SITEFORM:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL ROCK FRAGMENTS, 35 TO 50 PERCENT, MINIMUM DEPTH

Element definition:

:THE SHORTEST MEASURED DISTANCE FROM THE SOIL SURFACE TO WHERE THE:

:SOIL PROFILE CONTAINS BY VOLUME 35 TO 50 PERCENT OF TOTAL SOIL

:VOLUME, ROCK FRAGMENTS LARGER THAN 2 MILLIMETERS IN SIZE.

Data Standards:

:MEASURED IN INCHES OR CENTIMETERS TO THE NEAREST WHOLE UNIT.

:VALUES RANGE FROM 0 TO 99

:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT UNIT OF MEASURE

:TO IDENTIFY TYPE.

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 200

Field Length:2:

Authority:FLPMA NCSS:

Data Element Name: SOIL ROCK FRAGMENTS 35 - 50% THICKNESS:

Source of Information: NCSS, SSM, NSH:

Form:SITEFORM:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL ROCK FRAGMENTS, 35 TO 50 PERCENT, THICKNESS

Element definition:

:THE AVERAGE MEASURED DISTANCE BETWEEN UPPER BOUNDARY AND

:LOWER BOUNDARY OF ALL SOIL PROFILE LAYERS WHICH CONTAIN BY

:VOLUME 35 TO 50 PERCENT OF TOTAL SOIL VOLUME, ROCK FRAGMENTS

:LARGER THAN 2 MILLIMETERS IN SIZE.

Data Standards:

:MEASURED IN INCHES OR CENTIMETERS TO THE NEAREST WHOLE UNIT.

:VALUES RANGE FROM 0 TO 99

:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT UNIT OF MEASURE

:TO IDENTIFY TYPE.

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 201

Field Length:2:

Authority:FLPMA NCSS:

Data Element Name: SOIL ROCK FRAGMENTS OVER 50% MAX DEPTH:

Source of Information: NCSS, SSM, NSH:

Form:SITEFORM:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL ROCK FRAGMENTS, OVER 50 PERCENT, MAXIMUM DEPTH

Element definition:

:THE LONGEST MEASURED DISTANCE FROM THE SOIL SURFACE TO WHERE THE :

:SOIL PROFILE CONTAINS BY VOLUME MORE THAN 50 PERCENT OF TOTAL :

:SOIL VOLUME, ROCK FRAGMENTS LARGER THAT 2 MILLIMETERS IN SIZE. :

Data Standards:

:MEASURED IN INCHES OR CENTIMETERS TO THE NEAREST WHOLE UNIT. :

:VALUES RANGE FROM 0 TO 99 :

:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT UNIT OF MEASURE :

:TO IDENTIFY TYPE. :

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 202

Field Length:2:

Authority:FLPMA NCSS:

Data Element Name: SOIL ROCK FRAGMENTS OVER 50% MIN DEPTH:

Source of Information: NCSS, SSM, NSH:

Form:SITEFORM:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL ROCK FRAGMENTS, OVER 50 PERCENT, MINIMUM DEPTH

Element definition:

:THE SHORTEST MEASURED DISTANCE FROM THE SOIL SURFACE TO WHERE THE:

:SOIL PROFILE CONTAINS BY VOLUME MORE THAN 50 PERCENT OF TOTAL

:SOIL VOLUME, ROCK FRAGMENTS LARGER THAN 2 MILLIMETERS IN SIZE.

Data Standards:

:MEASURED IN INCHES OR CENTIMETERS TO THE NEAREST WHOLE UNIT.

:VALUES RANGE FROM 0 TO 99

:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT UNIT OF MEASURE

:TO IDENTIFY TYPE.

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 203

Field Length:2:

Authority:FLPMA NCSS:

Data Element Name: SOIL ROCK FRAGMENTS OVER 50% THICKNESS:

Source of Information: NCSS, SSM, NSH:

Form:SITFORM:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL ROCK FRAGMENTS, OVER 50 PERCENT, THICKNESS

Element definition:

:THE AVERAGE MEASURED DISTANCE BETWEEN UPPER BOUNDARY AND

:LOWER BOUNDARY OF ALL SOIL PROFILE LAYERS WHICH CONTAIN BY

:VOLUME MORE THAN 50 PERCENT OF TOTAL SOIL VOLUME, ROCK FRAGMENTS

:LARGER THAN 2 MILLIMETERS IN SIZE.

Data Standards:

:MEASURED IN INCHES OR CENTIMETERS TO THE NEAREST WHOLE UNIT.

:VALUES RANGE FROM 0 TO 99

:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT UNIT OF MEASURE

:TO IDENTIFY TYPE.

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 204

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL ROCK FRAGMENTS SOIL AMOUNT IN THE:

Source of Information: SSM4P58-59 NSH603-4B:

Form:SCS-SOI-5:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:1:

1 - New Element

Data Element Number:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:

:

:

Element definition:

:A GENERAL RANGE OF THE ESTIMATED PERCENT BY VOLUME OF

:ROCK FRAGMENTS LARGER THAN 2 MILLIMETERS IN SIZE WITHIN THE SOIL

:PROFILE.

:

:

:

:

:

:

:

:

:

:

:

:

:

:

Data Standards:

:ONE DIGIT NUMERIC CODE

:VALUES RANGE FROM 0 TO 3

:

:

:

:

:

Codes:

:0 = LESS THAN 15% BY VOLUME

:1 = BETWEEN 15% AND 35% BY VOLUME

:2 = BETWEEN 35% AND 60% BY VOLUME

:3 = MORE THAN 60% BY VOLUME

:

:

:

User Fields:

:

:

:

Data Set Name: SOIL RESOURCE:

RECORD : 205

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL ROCK FRAGMENTS SURFACE AMOUNT:

Source of Information: NCSS, SSM4P59-60.98:

Form:SCS-SOI-5:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2:

1 - New Element

Data Element Number:4655:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL ROCK FRAGMENTS ON THE SOIL SURFACE, AMOUNT

Element definition:

:A GENERAL CLASS THAT IDENTIFIES THE AMOUNT OF ROCK FRAGMENTS

:BY SIZE THAT ARE GREATER THAN 25 CENTIMETERS (CM) IN DIAMETER ON

:THE SOIL SURFACE INCLUDING THOSE PROTRUDING ABOVE THE GROUND AND

:THOSE NEAR ENOUGH TO THE SURFACE TO AFFECT TILLAGE OR OTHER USE

:AND MANAGEMENT.

:AMOUNT OF ROCK FRAGMENTS ARE COMPARED TO THE TOTAL SURFACE AREA

:AND CLASS IS IDENTIFIED BY NUMBER OF ROCK FRAGMENTS, SIZE, AND

:SPACING AT THE SURFACE.

:RELATED TO DATA ELEMENT: SOIL ROCK FRAGMENTS SURFACE TYPE

Data Standards:

:ONE DIGIT NUMERIC CODE

:VALUES RANGE FROM 1 TO 7

Codes:

:SEE ATTACHED SHEET FOR 7 CODES

User Fields:

SOIL RESOURCE DATA SET

RECORD NO. 205

DATA ELEMENT NAME: SOIL ROCK FRAGMENTS, SURFACE, AMOUNT

CODES:

CODE	SURFACE COVERED (PERCENT)	SPACING OF STONES OR BOULDERS WHEN THEIR DIAMETER IS		
		25 CM	60 CM	120 CM
		--STONES-- -(METERS)-	--BOULDERS-- --(METERS)--	
1	< 0.01	25+	60	120+
(Any stones or boulders cover less than 0.01 percent of the surface. Stones of the smallest sizes are at least 25 m apart; boulders of the smallest sizes are at least 60 m apart.)				
2	0.01 - 0.1	8 - 25	20 - 60	37 - 120
(Stones or boulders cover about 0.01 to 0.1 percent of the surface. Stones of the smallest sizes are no less than 8 m apart; boulders of the smallest sizes are no less than 20 m apart.)				
3	0.1 - 3.0	1 - 8	3 - 20	6 - 37
(Stones or boulders cover about 0.1 to 3 percent of the surface. Stones of the smallest sizes are no less than 1 m apart; boulders of the smallest size are no less than 3 m apart.)				
4	3.0 - 15	0.5 - 1	1 - 3	2 - 6
(Stones or boulders cover about 3 to 15 percent of the surface. Stones of the smallest size are as little as 0.5 m apart; boulders of the smallest size are as little as 1 m apart.)				
5	15 - 50	0.01 - 0.5	0.03 - 1	0.07 - 2
(Stones or boulders cover about 15 to 50 percent of the surface, and are so closely spaced that in most places it is possible to step from stone to stone or jump from boulder to boulder without touching the soil.)				
6	> 50	< 0.1	< 0.2	< 0.5
(Stones or boulders appear to be nearly continuous and cover more than 50 percent of the surface. The distances between fragments are measured in centimeters or decimeters in most places. Classifiable soil is among the rubble, and plants can grow if moisture and nutrients are available.)				
7	> 50	< 0.1	< 0.2	< 0.5
(Stones or boulders cover more than 50 percent of the surface, and so little earthy material is between the stones or boulders that few plants other than lichens can grow even though other factors are favorable. The deposits are not classifiable as soil.)				

Data Set Name: SOIL RESOURCE:

RECORD : 206

Field Length:13:

Authority:FLPMA NCSS:

Data Element Name: SOIL ROCK FRAGMENTS SURFACE TYPE:

Source of Information: NCSS. SSM4P59-60,97:

Form:SCS-232&5:

Frequency of Use:2M: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :I:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL ROCK FRAGMENTS. ON THE SURFACE. TYPE

Element definition:

:A GENERAL TERM FOR DESCRIBING THE KIND OF ROCK FRAGMENTS ON THE

:SURFACE DETERMINED BY SIZE AND SHAPE.

Data Standards:

:UP TO 13 CHARACTER ALPHABETIC NAME

Codes:

:SEE ATTACHED SHEET FOR 11 NAMES

User Fields:

SOIL RESOURCE DATA SET

RECORD NO. 206

DATA ELEMENT NAME: SOIL ROCK FRAGMENTS, SURFACE, TYPE

NAMES:

Term for Rock Fragments	Shape ^{1/} and size
----------------------------	------------------------------

Rounded, subrounded,
angulars or irregular:

Fine gravel	0.2 - 0.5 cm diameter
Medium gravel	0.5 - 2 cm diameter
Coarse gravel ^{2/}	2 - 7.6 cm diameter
Cobble	7.6 - 25 cm diameter
Stone	25 - 60 cm diameter
Boulder	> 60 cm diameter

Flat:

Channer	0.2 - 15 cm long
Flagstone	15 - 38 cm long
Stone	38 - 60 cm long
Boulder	> 60 cm long

^{1/} If significant to classification or interpretation, the shape of the fragments is indicated: "angular coarse gravel," "irregular boulders."

^{2/} A single fragment is called a "pebble."

Data Set Name: SOIL RESOURCE:

RECORD : 207

Field Length:40:

Authority:FLPMA NCSS:

Data Element Name: SOIL ROCK PARENT NAME:

Source of Information: NCSS, SSM:

Form:SCS-SOI-5:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element Data Element Number:4643:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

: DESCRIPTIVE NAME FOR THE KIND OF ROCK THAT UNDERLIES THE SOIL OR :
: THAT IS EXPOSED AT THE SURFACE. :

Data Standards:

: UP TO 26 CHARACTER ALPHABETIC NAME :

Codes:

: ENTER ACTUAL NAME :

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 209

Field Length:3:

Authority:FLPMA NCSS:

Data Element Name: SOIL ROOT ZONE DEPTH EFFECTIVE:

Source of Information: NCSS, BLM DICTIONARY:

Form:NONE:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number:0755:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE MEASURED DISTANCE FROM THE SOIL SURFACE TO THE LOWER BOUNDARY:
:OF WHERE PLANT ROOTS PENETRATE READILY INTO THE SOIL PROFILE.

Data Standards:

: MEASURED IN INCHES OR CENTIMETERS TO THE NEAREST WHOLE UNIT.
: VALUES RANGE FROM 0 TO 999
: DETERMINED BY FIELD MEASUREMENT
: THE DISTINCTION BETWEEN WEATHERED BEDROCK AND MINERAL SOIL CAN BE:
: ARBITRARY FOR MEASURING ROOT PENETRATION.
: DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT UNIT OF MEASURE TO
: IDENTIFY TYPE.

Codes:

: ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 210

Field Length:3:

Authority:FLPMA NCSS:

Data Element Name: SOIL ROOT ZONE DEPTH MAXIMUM:

Source of Information: NCSS,H4410-1,NSH,SSM:

Form:SITEFORM:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :I:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE LONGEST DISTANCE MEASURED FROM THE SOIL SURFACE TO THE
:LOWER BOUNDARY OF ROOT PENETRATION WHERE COMMON AND MANY
:PLANT ROOTS OCCUR IN THE SOIL PROFILE.

Data Standards:

:MEASURED IN INCHES OR CENTIMETERS TO THE NEAREST WHOLE UNIT.
:VALUES RANGE FROM 0 TO 999
:DETERMINED BY FIELD MEASUREMENT
:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT UNIT OF MEASURE
:TO IDENTIFY TYPE.

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 212

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL ROOT ZONE LIMITING LAYER:

Source of Information: NCSS, SSM4P45 NSH602:

Form:SOI-5 &232:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:2:

1 - New Element

Data Element Number:4569:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE TYPE OF SOIL LAYER OR HORIZON THAT PREVENTS OR
:RETARDS THE GROWTH OF PLANT ROOTS. USUALLY CONSISTS OF BEDROCK,
:HIGH WATER TABLE. CEMENTED PANS OR TOXIC MATERIALS SUCH AS SODIUM:
:SALTS.

Data Standards:

:ONE CHARACTER ALPHABETIC CODE

Codes:

:R = BEDROCK
:Q = SILICA
:M = DURIPAN
:V = PLINTHITE
:X = FRAGIPAN
:O = OTHER

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 213

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL ROOTS ABUNDANCE:

Source of Information: NCSS, SCS-232HDBKP11:

Form:SCS-232:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number:4644:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

: A GENERAL DESCRIPTIVE TERM FOR THE RELATIVE ABUNDANCE

: OF PLANT ROOTS WITHIN THE SOIL LAYER.

: BASED ON CLASSES OF SIZE AND THE NUMBER OF ROOTS PER SQUARE

: CENTIMETER OR DECIMETER.

: RELATED TO DATA ELEMENT: SOIL ROOTS SIZE

Data Standards:

: ONE DIGIT NUMERIC CODE

: VALUES RANGE FROM 0 TO 3

Codes:

: SEE ATTACHED SHEET FOR 3 CODES

User Fields:

SOIL RESOURCE DATA SET

RECORD NO. 213

DATA ELEMENT NAME: SOIL ROOTS, ABUNDANCE

CODES:

ABUNDANCE OF ROOTS BY NUMBER AND SIZE

CODE	CLASS	VERY FINE (1 MM)	FINE (1-2 MM)	MEDIUM (2-5 MM)	COARSE (5-10 MM)
1	FEW	< 10	< 10	1	1
2	COMMON	10 - 100	10 - 100	1 - 10	1 - 5
3	MANY	≥ 100	≥ 100	≥ 10	> 5

RECORD : 214

Data Element Name: SOIL ROOTS LOCATION:

Form:SCS-232:

Frequency of Use: L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Print this record? :T:

Standards:Y: Y - YES, ESTABLISHED Data Category:C: C - CORPORATE
N - No, not developed D - Discretionary

[illegible]

```
Data Standards:
:ONE DIGIT ALPHABETIC CODE
:
:
:
:
:
:
:
```

```
Codes:
:C = IN CRACKS
:M = IN MAT AT TOP OF REFERENCE HORIZON
:P = BETWEEN PEDS
:S = MATTED AROUND STONES OR PEBBLES
:T = THROUGHOUT HORIZON
:
:
```


Data Set Name: SOIL RESOURCE:

RECORD : 215

Field Length:2:

Authority:FLPMA NCSS:

Data Element Name: SOIL ROOTS SIZE:

Source of Information: NCSS, SCS-232HDBKP11:

Form:SCS-232:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2:

1 - New Element

Data Element Number:4644:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:A GENERAL DESCRIPTIVE TERM FOR THE SIZE OF

:PLANT ROOTS WITHIN THE SOIL LAYER.

:BASED ON THE DIAMETERS OF THE PLANT ROOTS IN

:MILLIMETERS (MM).

:RELATED TO DATA ELEMENT: SOIL ROOTS ABUNDANCE

Data Standards:

:ONE OR TWO DIGIT ALPHABETIC CODE

Codes:

:VF = VERY FINE = LESS THAN 1 MM IN DIAMETER

:F = FINE = 1 TO 2 MM IN DIAMETER

:M = MEDIUM = 2 TO 5 MM IN DIAMETER

:CO = COARSE = LARGER THAN 5 MM IN DIAMETER

User Fields:

RECORD : 216

Authority:FLPMA NCSS:

Source of Information: NCSS, SSM4P34:

Form:SCS-232:

Frequency of Use: 2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number:4520:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category: C: C - CORPORATE

N - No, not developed

D - Discretionary

• • • • •

Element definition:

: A GENERAL DESCRIPTIVE TERM IDENTIFYING THE RATE AT

: WHICH SURFACE WATER FLOWS AWAY FROM THE SOIL OVER THE SURFACE OF

: AN ACRE OF LAND WITHOUT INFILTRATING.

: FACTORS EFFECTING RUNOFF RATE INCLUDE TOPOGRAPHY (STEEPNESS),

: RAINFALL INTENSITY, FROZEN SOIL, AND NATURAL COVER.

: SIX DESCRIPTIVE CLASSES OF RUNOFF RATES IN INCREASING ORDER.

Data Standards:

:ONE DIGIT NUMERIC CODE

: VALUES RANGE FROM 1 TO 6

Codes:

.1=PONDED = FREE WATER OFTEN ON SURFACE

```

:2=VERY SLOW = SURFACE WATER FLOWS AWAY SLOWLY (STANDS FOR LONG
: PERIODS)
:

```

: 3=SLOW=SURFACE WATER FLOWS AWAY SLOWLY STANDS FOR MODERATE PERIOD:

:4=MEDIUM = SURFACE WATER STANDS ON SURFACE FOR ONLY SHORT PERIODS:

:5=RAPID = SURFACE WATER STANDS ON SURFACE ONLY BRIEFLY

: 6=VERY RAPID = FREE WATER DOES NOT STAND

User Fields:

RECORD : 217

Authority:FLPMA NCSS:

Data Element Name: SOIL SALINITY CLASS:

Source of Information: NCSS,SSM4P92 HDBK#60:

Form: SOI-5 & 6:

Frequency of Use: L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Graphics:Y:

Security:PUB:

Y - Will be in GIS

PUB - Public, no restrictions

N - Will not in GIS

IPR - Internal Proprietary

U - Unknown

IN - Internal Investigatory

IOT - Internal Other

Print this record? :T:

Print this record? :T:

1 - New Element

Data Element Number: 4567:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES. ESTABLISHED

Data Category: C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

: A GENERAL DESCRIPTIVE TERM FOR A RANGE OF SOIL SALINITY:

: THE AMOUNT OF SOLUBLE SALTS (SODIUM

: CHLORIDE AND SODIUM SULFATE) IN THE SOIL.

REFERS TO THE OCCURRENCE OR ABSENCE OF SALTS MORE SOLUBLE THAN

: GYPSUM IN THE SOIL.

CLASS BASED ON VALUE OF SPECIFIC MEASURED SOIL SALINITY.

Data Standards:

:ONE DIGIT NUMERIC CODE

-VALUES RANGE FROM 1 TO 4

Codes:

:1 = VERY SLIGHTLY SALINE = < 0.4 S/M OR MMHOS/CM

:2 = SLIGHTLY SALINE = 0.4 - 0.8 S/M OR MMHOS/CM

:3 = MODERATELY SALINE = 0.8 - 1.6 S/M OR MMHOS/CM

3 = MODERATELY SALINE = > 1.6 S/M OR MMHOS/CM

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 218

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL SALINITY HIGH:

Source of Information: NCSS, NSH P.603-26:

Form:SCS-SOI-5:

Frequency of Use:2M: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE MAXIMUM MEASURED THE AMOUNT OF SOLUBLE
:SALTS (SODIUM CHLORIDE AND SODIUM SULFATE) IN THE SOIL FROM A
:PARTICULAR SET OF SOIL SURVEY SAMPLES.
:REFERS TO THE OCCURRENCE OR ABSENCE OF SALTS MORE SOLUBLE
:THAN GYPSUM IN THE SOIL.

Data Standards:

:MEASURED IN SIEMENS PER METER (S/M) TO THE NEAREST TENTH
:WHICH IS EQUIVALENT TO MILLIMHOS PER CENTIMETER (MMHOS/CM)
:TO THE NEAREST TENTH.
:VALUES RANGE FROM 0.0 TO 99.9
:DETERMINED BY FIELD OR LAB ANALYSIS FOR ONE OR MORE SOIL SURVEY
:SAMPLES. DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT SOIL
:MEASUREMENT TYPE, FIELD OR LAB TO IDENTIFY TYPE.

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 219

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL SALINITY LOW:

Source of Information: NCSS, NSH P.603-26:

Form:SCS-SOI-5:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE MINIMUM MEASURED AMOUNT OF SOLUBLE
:SALTS (SODIUM CHLORIDE AND SODIUM SULFATE) IN THE SOIL FOR A
:PARTICULAR SET OF SOIL SURVEY SAMPLES.
:REFERS TO THE OCCURRENCE OR ABSENCE OF SALTS MORE SOLUBLE
:THAN GYPSUM IN THE SOIL.

Data Standards:

:MEASURED IN SIEMENS PER METER (S/M) TO THE NEAREST TENTH
:WHICH IS EQUIVALENT TO MILLIMHOS PER CENTIMETER (MMHOS/CM)
:TO THE NEAREST TENTH.
:VALUES RANGE FROM 0.0 TO 99.9
:MEASURED BY FIELD OR LAB ANALYSIS FOR ONE OR MORE SOIL SAMPLES
:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT SOIL MEASUREMENT
:TYPE, FIELD OR LAB TO IDENTIFY TYPE.

Codes:

:ENTER ACTUAL VALUE

User Fields:

SOIL RESOURCE DATA SET

RECORD NO. 221

DATA ELEMENT NAME: SOIL SEPARATES, CLASS

CODES:

COF COARSE FRAGMENTS (GREATER THAN 3 INCHES)

CLA CLAY (LESS THAN .002 mm)

COS COARSE SAND (.5 - .1 mm)

FIS FINE SAND (.1 - .25 mm)

L01 MATERIAL LESS THAN .05 mm

L02 MATERIAL LESS THAN .02 mm

L03 MATERIAL LESS THAN .005 mm

L04 MATERIAL LESS THAN .002 mm

L05 MATERIAL LESS THAN .001 mm

MES MEDIUM SAND (.25 - .5 mm)

P01 MATERIAL PASSING 3 INCH SIEVE

P02 MATERIAL PASSING 2 INCH SIEVE

P03 MATERIAL PASSING 1 1/2 INCH SIEVE

P04 MATERIAL PASSING 1 INCH SIEVE

P05 MATERIAL PASSING 3/4 INCH SIEVE

P06 MATERIAL PASSING 3/8 INCH SIEVE

P07 MATERIAL PASSING NO. 4 SIEVE

P08 MATERIAL PASSING NO. 10 SIEVE

P09 MATERIAL PASSING NO. 40 SIEVE

P10 MATERIAL PASSING NO. 60 SIEVE

P11 MATERIAL PASSING NO. 200 SIEVE

SIL SILT (.002 - .05 mm)

VCS VERY COARSE SAND (1 - 2 mm)

VFS VERY FINE SAND (.05 - .1 mm)

Data Set Name: SOIL RESOURCE:

RECORD : 222

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL SEPARATES CLASS PERCENT:

Source of Information: NCSS, SSM4P52:

Form:MANY:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2:

1 - New Element

Data Element Number:46D6:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES. ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE AMOUNT BY VOLUME FOR EACH

:INDIVIDUAL SOIL SEPARATE CLASS (MINERAL PARTICLE SIZE GROUP,

:I.E., CLAY, SILT, ETC.) COMPARED TO THE TOTAL SOIL SAMPLE VOLUME.

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

Data Standards:

:MEASURED IN PERCENT TO NEAREST TENTH.

:VALUES RANGE FROM 0.0 TO 99.9

:DETERMINED BY FIELD OR LAB ANALYSIS

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

Codes:

:ENTER ACTUAL VALUE

:

:

:

:

:

:

:

:

:

:

User Fields:

:

:

:

Data Set Name: SOIL RESOURCE:

RECORD : 223

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL SHRINK-SWELL POTENTIAL CLASS:

Source of Information: NCSS. NSH P.603-27:

Form:LAB-FORM:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public. no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2:

1 - New Element

Data Element Number:4635:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES. ESTABLISHED

Data Category:C: C - CORPORATE

N - No. not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:A GENERAL TERM INDICATING THE SUSCEPTIBILITY
:OF SOIL TO CONTRACT AND EXPAND.
:BASED ON THE AMOUNT OF VOLUME CHANGE DUE TO LOSS OR GAIN IN
:MOISTURE CONTENT AS INFLUENCED BY THE
:AMOUNT AND KIND OF CLAY MINERALS IN THE SOIL.

Data Standards:

:ONE CHARACTER ALPHABETIC CODE
:RATED ON THE AMOUNT OF LINEAR EXTENSIBILITY (LE) BY PERCENT WHICH:
:IS EQUIVALENT TO THE DECIMAL FRACTION OF THE COEFFICIENT OF
:LINEAR EXTENSIBILITY (COLE).

Codes:

:L = LOW = < 3 LINEAR % OR COLE OF < 0.03
:M = MODERATE = 3 - 6 LINEAR % OR COLE OF 0.03 - 0.06
:H = HIGH = 6 - 9 LINEAR % OR COLE OF 0.06 - 0.09
:V = VERY HIGH = > 9 LINEAR % OR A COLE OF > 0.09

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 224

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL SHRINK-SWELL POTENTIAL SPECIFIC:

Source of Information: NCSS. NSH603-02-1(1):

Form:SCS-SOI-5:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element
2 - Rewrite Previous
3 - Accept Previous

Data Element Number: :

Standards:Y: Y - YES, ESTABLISHED
N - No, not developed

Data Category:C: C - CORPORATE

D - Discretionary

Descriptive Element Name:

Element definition:

:THE AMOUNT OF CHANGE IN VOLUME (CONTRACTION OR EXPANSION) OF A
:SOIL DUE TO A GAIN OR LOSS IN MOISTURE CONTENT
:INFLUENCED BY THE AMOUNT AND KIND OF CLAY MATERIALS IN
:THE SOIL.

Data Standards:

:EXPRESSED AS A DECIMAL FRACTION RATIO KNOWN AS COLE
: (COEFFICIENT OF LINEAR EXTENSIBILITY).
:VALUES RANGE FROM 0.00 TO 0.99

Codes:

:ENTER ACTUAL NUMBER

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 226

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL SODICITY EXCHANGEABLE SODIUM %:

Source of Information: SCS, SSM:

Form:NONE:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:3: 1 - New Element

Data Element Number:4513:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:SOIL SODICITY, EXCHANGEABLE SODIUM PERCENTAGE

:

:

Element definition:

:THE EXTENT TO WHICH SODIUM OCCUPIES THE CATION EXCHANGE CAPACITY :

:OF A SOIL SAMPLE. :

:AMOUNT OF SODIUM IONS COMPARED TO THE TOTAL AMOUNT OF SODIUM, :

:CALCIUM, AND MAGNESIUM IONS IN THE WATER EXTRACT FROM A :

:SATURATED SOIL PASTE. :

:

:

:

:

:

:

:

:

:

:

:

Data Standards:

:MEASURED IN PERCENT TO THE NEAREST TENTH :

:VALUES RANGE FROM 0.0 TO 99.9 :

:

:

:

:

:

Codes:

:ENTER ACTUAL VALUE :

:

:

:

:

:

:

User Fields:

:

:

:

Data Set Name: SOIL RESOURCE:

RECORD : 227

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL SODICITY HIGH:

Source of Information: NSH603, SSM4P92-93:

Form:SCS-SOI-5:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:O:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE MAXIMUM VALUE CALCULATED FROM THE SOIL SODICITY, SPECIFIC
:(MEASURED AMOUNT OF SODIUM ION RELATIVE TO THE AMOUNT OF CALCIUM
:AND MAGNESIUM IONS) FOR A SOIL HORIZON.

Data Standards:

:NUMERIC RATIO

:CALCULATED TO THE NEAREST TENTH.

:VALUES RANGE FROM 0.0 TO 99.9

:DETERMINED BY LAB ANALYSIS

Codes:

:ENTER ACTUAL NUMBER

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 228

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL SODICITY LOW:

Source of Information: NSH603, SSM4P92-93:

Form:SCS-SOI-5:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :I:

New/RW/Accept:1:

1 - New Element

Data Element Number:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE MINIMUM VALUE CALCULATED FROM THE SOIL SODICITY, SPECIFIC

:(MEASURED AMOUNT OF SODIUM ION RELATIVE TO THE AMOUNT OF CALCIUM

:AND MAGNESIUM IONS) FOR A SOIL HORIZON.

Data Standards:

:NUMERIC RATIO

:CALCULATED TO THE NEAREST TENTH.

:VALUES RANGE FROM 0.0 TO 99.9

:DETERMINED BY LAB ANALYSIS

Codes:

:ENTER ACTUAL NUMBER

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 229

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL SODICITY SPECIFIC:

Source of Information: NCSS, NSH P.603.02-1:

Form:MANY:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number:4640:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE MEASURED AMOUNT OF SODIUM (NA) ION RELATIVE TO THE AMOUNT OF :
:CALCIUM (CA) AND MAGNESIUM (MG) IONS IN THE WATER EXTRACT FROM A :
:SATURATED SOIL PASTE FROM A SOIL HORIZON. :
:RATIO BETWEEN SOLUBLE SODIUM (NA+) AND SOLUBLE DIVALENT CATIONS. :

:COMMONLY KNOWN AS SODIUM ABSORPTION RATIO :
:ABBREVIATION: SAR :

:RELATED TO DATA ELEMENT: SOIL SODICITY EXCHANGEABLE SODIUM :
:PERCENTAGE :

Data Standards:

:NUMERIC RATIO :
:CALCULATED TO THE NEAREST TENTH. :
:VALUES RANGE FROM 0.0 TO 99.9 :
:DETERMINED BY LAB ANALYSIS FOR ONE SAMPLE OF SOIL FOR A SOIL :
:HORIZON. :

Codes:

:ENTER ACTUAL NUMBER :

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 230

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL STRUCTURE GRADE:

Source of Information: NCSS, SCS-232HDBK P8:

Form:SCS-232:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number:4653:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:A GENERAL TERM THAT DESCRIBES THE GRADE OR

:DISTINCTNESS OF NATURAL SOIL PEDS AND THE RELATIONSHIP WITHIN

:PEDS AND ADHESION BETWEEN PEDS.

Data Standards:

:ONE DIGIT NUMERIC CODE

Codes:

:SEE ATTACHED SHEET FOR 4 CODES

User Fields:

SOIL RESOURCE DATA SET

RECORD NO. 230

DATA ELEMENT NAME: SOIL STRUCTURE, GRADE

CODES:

0 STRUCTURELESS

No observable aggregation or definite orderly arrangement of natural lines of weaknesses; massive if coherent, single grain if noncoherent.

1 WEAK

The peds are barely observable in place. When gently disturbed, the soil material parts into a mixture of entire and broken peds and much material that exhibits no ped faces. Ped faces that indicate persistence through at least one wetting and drying cycle are evident if the soil is handled carefully. Distinguishing structurelessness from weak structure is sometimes difficult. In virtually all material that has structure, the surface of individual peds will differ in some way from the interiors of the peds.

2 MODERATE

The peds are well formed and evident in undisturbed soil. When disturbed, the soil material parts into a mixture of many entire peds, some broken peds, and little material that is not in peds. The peds part from adjoining peds to reveal nearly entire faces that have properties distinct from those of fracture surfaces.

3 STRONG

The peds are distinct in undisturbed soil. They separate cleanly when the soil is disturbed. When removed, the soil material separates mainly into entire peds. Generally, faces of peds have distinctive properties that distinguish them from fracture surfaces.

Data Set Name: SOIL RESOURCE:

RECORD : 231

Field Length:2:

Authority:FLPMA NCSS:

Data Element Name: SOIL STRUCTURE SIZE:

Source of Information: NCSS, SCS-232HDBK P9:

Form:SCS-232:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:

:

:

Element definition:

: A GENERAL TERM THAT DESCRIBES THE BASIC

: SIZE AND ARRANGEMENT OF NATURAL SOIL PEDS. CLASS IS BASED ON:

: THE SMALLEST DIMENSION OF THE SOIL PED WHERE STRUCTURE TYPE

: SHAPES ARE PLATES, OR PRISMS AND COLUMNS; AND THE LARGEST

: DIMENSIONS OF THE SOIL PED WHERE STRUCTURE TYPE SHAPES ARE

: BLOCKS AND GRANULES.

: DIMENSIONS ARE MEASURED IN MILLIMETERS TO THE NEAREST WHOLE UNIT,

: COMPARED AGAINST RANGES OF DIMENSIONS BY STRUCTURE TYPE SHAPE,

: WHICH RESULTS IN THE DESIGNATION OF STRUCTURE SIZE CLASS.

:

:

:

: RELATED TO DATA ELEMENT: SOIL STRUCTURE TYPE SHAPE

:

:

:

Data Standards:

: ONE OR TWO CHARACTER ALPHABETIC CODE

:

:

:

:

:

:

Codes:

: SEE ATTACHED SHEET FOR 5 CODES

:

:

:

:

:

:

User Fields:

:

:

:

SOIL RESOURCE DATA SET

RECORD NO. 231

DATA ELEMENT NAME: SOIL STRUCTURE, SIZE

CODES:

CODE	SIZE CLASS	SHAPE OF STRUCTURE			
		PLATY*	PRISMATIC AND COLUMNAR	BLOCKY	GRANULAR
		(MM)	(MM)	(MM)	(MM)
VF	VERY FINE (OR VERY THIN)	< 1	< 10	< 5	< 1
F	FINE (OR THIN)	1 - 2	10 - 20	5 - 10	1 - 2
M	MEDIUM	2 - 5	20 - 50	10 - 20	2 - 5
C	COARSE (OR THICK)	5 - 10	50 - 100	20 - 50	5 - 10
VC	VERY COARSE (OR VERY THICK)	> 10	> 100	> 50	> 10

* In describing plates, "thin" is used instead of "fine" and "thick" is used instead of "coarse"

Data Set Name: SOIL RESOURCE:

RECORD : 232

Field Length:3: Authority:FLPMA NCSS:

Data Element Name: SOIL STRUCTURE TYPE SHAPE:

Source of Information: NCSS, SCS-232 HDBK:

Form:SCS-232:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0: Graphics:N: Security:PUB:
N - Not Automated Y - Will be in GIS PUB - Public, no restrictions
L - DPS6 Honeywell N - Will not in GIS IPR - Internal Proprietary
D - DPS870 Honeywell U - Unknown IN - Internal Investigatory
M - Micro Based Sys IOT - Internal Other
P - Prime System
G - Data General 0 - Other Print this record? :T:

New/RW/Accept:1: 1 - New Element Data Element Number: :
2 - Rewrite Previous
3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED Data Category:C: C - CORPORATE
N - No, not developed D - Discretionary

Descriptive Element Name:

Element definition:

:A GENERAL TERM THAT DESCRIBES THE BASIC SHAPE
:AND ARRANGEMENT OF NATURAL SOIL PEDS.

Data Standards:

:TWO OR THREE CHARACTER ALPHABETIC CODE

Codes:

:SEE ATTACHED SHEET FOR 8 CODES

User Fields:

SOIL RESOURCE DATA SET

RECORD NO. 232

DATA ELEMENT NAME: SOIL STRUCTURE, TYPE, SHAPE

CODES:

PL	PLATY	The peds are flat and platelike. They are generally oriented horizontally and are usually overlapping.
LPL	LENTICULAR PLATY	A special form recognized for plates that are thickest in the middle and thin toward the edges.
PR	PRISMATIC	The individual peds are bounded by flat or slightly rounded vertical faces. Peds are distinctly longer vertically, and the faces are typically casts or molds of adjoining peds. Vertices are angular subrounded; the tops of the prisms are somewhat indistinct and normally flat.
CPR	COLUMNAR	The peds are similar to prisms and are bounded by flat or slightly rounded vertical faces. However, the tops of columns, in contrast to those of prisms, are very distinct and normally rounded.
ABK	ANGULAR BLOCKY	The peds are blocklike or polyhedral and the faces intersect at relatively sharp angles. The peds are bounded by flat surfaces that are casts of the faces of surrounding peds. Nearly equidimensional but grade to prisms, which are longer vertically, and to plates, which are longer horizontally.
SBK	SUBANGULAR BLOCKY	The peds are blocklike or polyhedral and the faces are a mixture of rounded and plane faces and the angles are mostly rounded. The peds are bounded by slightly rounded surfaces that are casts of the faces of surrounding peds. Nearly equidimensional but grade to prisms, which are longer vertically, and to plates, which are longer horizontally.
GR	GRANULAR	The peds are approximately spherical or polyhedral and are bounded by curved or very irregular faces that are not casts of adjoining peds.
CR	CRUMB	A special form recognized for granular structure.

Data Set Name: SOIL RESOURCE:

RECORD.: 233

Field Length:5:

Authority:FLPMA NCSS:

Data Element Name: SOIL SUBSIDENCE:

Source of Information: NCSS, SSM, NSH:

Form:SCS-SOI-5:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element
2 - Rewrite Previous
3 - Accept Previous

Data Element Number: :

Standards:Y: Y - YES, ESTABLISHED

N - No, not developed

Data Category:C: C - CORPORATE

D - Discretionary

Descriptive Element Name:

Element definition:

:THE AMOUNT OF SETTLING OR SINKING THAT OCCURS AS A RESULT OF
:DEWATERING OF AQUIFERS, THAWING OF ICE-RICH SOILS (PERMAFROST),
:COMPACTION, OR OXIDATION OF PEAT.
:ESTIMATED DISTANCE FROM THE ORIGINAL SOIL SURFACE LEVEL TO THE
:SOIL SURFACE LEVEL AFTER SETTLING.

Data Standards:

:ESTIMATED IN FEET TO THE NEAREST TENTH.
:VALUES RANGE FROM 0.0 TO 999.9

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 234

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL SUITABILITY RATING:

Source of Information: NCSS, SSM, NSH:

Form:SOI-5:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element Data Element Number:4657:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No. not developed

D - Discretionary

Descriptive Element Name:

Element definition:

: A GENERAL DESCRIPTIVE RATING FOR SOIL

: SUITABILITY FOR SOME SPECIFIC LAND USE SUCH AS DRILL SEEDING.

: DAILY COVER FOR LANDFILL, TOP SOILS, ETC.

: RELATED TO DATA ELEMENT: SOIL USE TYPE

Data Standards:

: ONE CHARACTER ALPHABETIC CODE

Codes:

: G = GOOD

: F = FAIR

: P = POOR

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 235

Field Length:3: Authority:FLPMA NCSS:

Data Element Name: SOIL SURFACE FACTOR RATING:

Source of Information: TECH NOTE:

Form:FORM:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:	Graphics:U:	Security:PUB:
N - Not Automated	Y - Will be in GIS	PUB - Public, no restrictions
L - DPS6 Honeywell	N - Will not in GIS	IPR - Internal Proprietary
D - DPS87D Honeywell	U - Unknown	IN - Internal Investigatory
M - Micro Based Sys		IOT - Internal Other
P - Prime System		
G - Data General	O - Other	Print this record? :T:

New/RW/Accept:2: 1 - New Element Data Element Number:4817:
2 - Rewrite Previous
3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED Data Category:C: C - CORPORATE
N - No, not developed D - Discretionary

Descriptive Element Name:

Element definition:

:A QUALITATIVE NUMERICAL RATING WHICH REPRESENTS THE CATEGORY
:OF EROSION FEATURES OF A GIVEN SOIL MAPPING UNIT AT THE TIME
:OF THE FIELD SURVEY.

Data Standards:

:ONE TO THREE DIGIT NUMERIC
:VALUES RANGE FROM 0 TO 100

Codes:

:ENTER ACTUAL NUMBER

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 236

Field Length:3:

Authority:FLPMA NCSS:

Data Element Name: SOIL SURFACE FACTOR RATING AVERAGE:

Source of Information: TECH NOTE:

Form:FORM:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:U:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number:4818:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES. ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:A QUALITATIVE NUMERIC VALUE REPRESENTING THE AVERAGE EROSION

:CONDITION FOR A SITE.

Data Standards:

:ONE TO THREE DIGIT NUMERIC

:VALUES RANGE FROM 0 TO 100

Codes:

:ENTER ACTUAL NUMBER

User Fields:

RECORD : 237

Authority:FLPMA NCSS:

Data Element Name: SOIL SURVEY AREA ACRES:

Source of Information: NCSS, NSH:

Form:NONE:

Frequency of Use: 1M: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security: PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number: 4678:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category: C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

: THE TOTAL ACREAGE WITHIN A SOIL SURVEY AREA.

Data Standards:

:MEASURED IN ACRES TO THE NEAREST WHOLE ACRE.

:VALUES RANGE FROM 0 TO 9,999,999

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 238

Field Length:5:

Authority:FLPMA NCSS:

Data Element Name: SOIL SURVEY AREA ID NUMBER:

Source of Information: NCSS, NSH P.601-8&23:

Form:SCS-SOI-6:

Frequency of Use:L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number:4988:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:

:

:

Element definition:

:A SOIL CONSERVATION SERVICE NUMBER WHICH IDENTIFIES THE SOIL

:SURVEY AREA.

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

Data Standards:

:FIVE CHARACTER ALPHANUMERIC NUMBER

:COMBINES STATE AND SOIL SURVEY NUMERIC CODES.

:

:

:

:

:

:

Codes:

:ENTER ACTUAL NUMBER

:

:

:

:

:

:

User Fields:

RECORD : 240

Authority:FLPMA NCSS:

Source of Information: NCSS, NSH P.602-56:

Frequency of Use: L : 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Security:PUB:

PUB - Public, no restrictions

IPR - Internal Proprietary

IN - Internal Investigatory

IOT - Internal Other

Print this record? :T:

0 - Other

Data Element Number: 4990:

3 - Accept Previous

Data Category: C: C - CORPORATE

D - Discretionary

•
•
•
•
•
•

- : THE NAME OF A SOIL THAT HAS PROPERTIES OUTSIDE THE RANGE OF
- : ANY RECOGNIZED SERIES BUT DIFFERS FROM A RECOGNIZED SERIES
- : IN SO FEW PROPERTIES AND TO SUCH A SMALL DEGREE THAT NOTHING
- : IS GAINED BY ADDING A NEW SERIES AND MANAGEMENT AND MAJOR
- : INTERPRETATIONS ARE NOT AFFECTED.

```
:UP TO 37 CHARACTER ALPHABETIC NAME :
:THE NAME GIVEN IS IDENTIFIED BY MODIFYING THE SOIL SERIES NAME :
:OF THE ESTABLISHED SERIES THAT IS MOST SIMILAR IN CHARACTERISTICS:
:AND ADDING THE TERM 'TAXADJUNCT', E.G., DENVER, TAXADJUNCT. :
```

:ENTER ACTUAL NAME

User Fields:

RECORD : 241

Authority:FLPMA NCSS:

Source of Information: NCSS, SSM:

Frequency of Use: 1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Security:PUB:

PUB - Public, no restrictions

IPR - Internal Proprietary

IN - Internal Investigatory

IOT - Internal Other

Print this record? :T:

0 - Other

Data Element Number: 4665:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category: C: C - CORPORATE

N - No, not developed

D - Discretionary

Element definition:

: ACTUAL TEMPERATURE MEASURED AT SPECIFIC DEPTHS OF THE SOIL

:PROFILE FOR A SPECIFIC DAY.

: GENERALLY MEASURED AT 20 INCH DEPTH TO AVOID DAILY CYCLE

: VARIATIONS.

:RELATED TO DATA ELEMENT: SOIL TEMPERATURE DEPTH

Data Standards:

:MEASURED IN DEGREES FAHRENHEIT OR CENTIGRADE TO THE NEAREST

: DEGREE.

: VALUES RANGE FROM - 99 TO + 999

: DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT UNIT OF MEASURE TO

: IDENTIFY TYPE.

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 242

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL TEMPERATURE DEPTH:

Source of Information: NCSS, TAX P. 62:

Form:NONE:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element Data Element Number:4684:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE MEASURED DISTANCE FROM THE SOIL SURFACE OF MINERAL SOIL TO
:WHERE THE SOIL TEMPERATURE IS MEASURED.

:RELATED TO DATA ELEMENT: SOIL TEMPERATURE

Data Standards:

:MEASURED IN INCHES OR CENTIMETERS TO THE NEAREST TENTH UNIT.

:VALUES RANGE FROM 0.0 TO 99.9

:DETERMINED BY FIELD MEASUREMENT

:SOIL TEMPERATURE IS GENERALLY MEASURED AT A DEPTH OF 20 INCHES TO:

:AVOID DAILY VARIATIONS DUE TO GROUND COVER, SEASON, TIME OF DAY.

:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT UNIT OF MEASURE TO :

:IDENTIFY TYPE.

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 244

Field Length:5:

Authority:FLPMA NCSS:

Data Element Name: SOIL TEMPERATURE MINIMUM DAILY:

Source of Information: NCSS, SSM, NSH:

Form:SCS-232:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :I:

New/RW/Accept:3: 1 - New Element

Data Element Number:5383:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:

:

:

Element definition:

:THE LOWEST DAILY SOIL TEMPERATURE TAKEN FROM THERMOGRAPH CHARTS.

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

Data Standards:

:MEASURED IN DEGREES FAHRENHEIT OR CENTIGRADE TO THE NEAREST

:HALF DEGREE.

:VALUES RANGE FROM - 99.5 TO 999.5

:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT UNIT OF MEASURE TO

:IDENTIFY TYPE.

:

:

:

:

:

:

:

:

:

:

:

:

:

:

User Fields:

:

:

:

Data Set Name: SOIL RESOURCE:

RECORD : 245

Field Length:4:

Authority:FLPMA NCSS:

Data Element Name: SOIL TEXTURE CLASS FINE EARTH FRACTION:

Source of Information: NCSS, SSM:

Form:MANY:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :1:

New/RW/Accept:2:

1 - New Element

Data Element Number:4526:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:A CLASSIFICATION OF GROUPS OF SOILS BASED ON RELATIVE PROPORTIONS:
:OF SAND, SILT, AND CLAY PARTICLE SIZES WITHIN THE FINE EARTH
:PORTION (LESS THAN 2 MILLIMETERS IN SIZE).

Data Standards:

:ONE TO FOUR CHARACTER ALPHABETIC CODE

Codes:

:SEE ATTACHED SHEET FOR 12 CODES

User Fields:

SOIL RESOURCE DATA SET

RECORD NO. 245

DATA ELEMENT NAME: SOIL TEXTURE, CLASS, FINE EARTH FRACTION

CODES:

C	Clay
CL	Clay Loam
L	Loam
LS	Loamy Sand
S	Sand
SC	Sandy Clay
SCL	Sandy Clay Loam
SI	Silt
SIC	Silty Clay
SICL	Silty Clay Loam
SIL	Silt Loam
SL	Sandy Loam

Data Set Name: SOIL RESOURCE:

RECORD : 246

Field Length:2:

Authority:FLPMA NCSS:

Data Element Name: SOIL TEXTURE CLASS MODIFIER:

Source of Information: NCSS, SSM:

Form:MANY:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1:

1 - New Element

Data Element Number:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:A NAME MODIFIER FOR A GROUP OF SOILS BASED ON THE SIZE AND
:SHAPE OF COARSE FRAGMENTS WHICH ARE LARGER THAN 2 MILLIMETERS.
:MODIFIER IS ADDED TO TEXTURE CLASS NAME.

Data Standards:

:TWO CHARACTER ALPHABETIC CODE

Codes:

:SEE ATTACHED SHEET FOR 8 CODES.

User Fields:

SOIL RESOURCE DATA SET

RECORD NO. 246

DATA ELEMENT NAME: SOIL TEXTURE, CLASS, MODIFIER

CODES:

CB	Cobbly
CN	Channery
CR	Cherty
FL	Flaggy
GR	Gravelly
SH	Shaly
ST	Stony
SY	Slaty

Data Set Name: SOIL RESOURCE:

RECORD : 247

Field Length:12:

Authority:FLPMA NCSS:

Data Element Name: SOIL TRANSECT IDENTIFICATION NUMBER:

Source of Information: NCSS, NSH, SSM:

Form:SCS-232:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:AN ALPHA-NUMERIC IDENTIFIER ASSIGNED TO A SPECIFIC SOIL TRANSECT :
:WHICH IS UNIQUE TO A SOIL SURVEY AREA.

:RELATED TO DATA ELEMENT: SOIL LOCATION SURVEY AREA

SOIL LOCATION TRANSECT

SOIL LOCATION TYPE SURVEY AREA

Data Standards:

:UP TO 12 CHARACTER ALPHANUMERIC NUMBER

Codes:

:ENTER ACTUAL NUMBER

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 248

Field Length:2:

Authority:FLPMA NCSS:

Data Element Name: SOIL USE TYPE:

Source of Information: NCSS, SSM, NSH:

Form:SCS-232:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number:4573:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:A PARTICULAR USE OF A SOIL OR TYPE OF

:POTENTIAL USE FOR A SOIL.

:RELATED TO DATA ELEMENT: SOIL LIMITATION RATING

:SOIL SUITABILITY RATING

Data Standards:

:TWO CHARACTER ALPHABETIC CODE

Codes:

:SEE ATTACHED SHEET FOR 30 CODES

User Fields:

SOIL RESOURCE DATA SET

RECORD NO. 248

DATA ELEMENT NAME: SOIL USE, TYPE

CODES:

BS	BUILDING SITES
CA	CAMP AREAS
CF	CONTOUR FURROWING
CH	CHAINING
DF	DRYLAND FARMING
EX	SHALLOW EXCAVATIONS
IR	IRRIGATION
LF	LAWNS AND FAIRWAYS
LP	LANDSCAPE PLANTINGS
PA	PICNIC AREAS
PE	PONDS AND EMBANKMENTS
PI	PITTING
PL	PLAY AREAS
PO	POND LOCATION
PT	PATHS AND TRAILS
RD	RANGELAND DRILL
RF	ROAD FILL
RI	RIPPING
RL	ROAD LOCATION
RP	RANGELAND PLOW
SA	SANITARY LANDFILL
SE	SEEDING
SG	SAND AND GRAVEL
SL	SEWAGE LAGOON
ST	SEPTIC TANK ABSORPTION
TE	TERRACING
TR	TRENCHING
TS	TOPSOIL
WC	WATERSPREADING CONSTRUCTION
WI	WATERSPREADING IRRIGABILITY

Data Set Name: SOIL RESOURCE:

RECORD : 250

Field Length:3:

Authority:FLPMA NCSS:

Data Element Name: SOIL WATER TABLE DEPTH:

Source of Information: NCSS. NSH P.603-45:

Form:SOI-5 &232:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number:4693:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES. ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:

:

:

Element definition:

:THE NORMAL MEASURED DISTANCE FROM THE SOIL SURFACE TO THE

:SEASONAL HIGH WATER TABLE OR ZONE OF SATURATION OF THE NATURAL

:UNDRAINED SOIL.

:

:

:

:

:

:

:

:

:

:

:

:

:

:

Data Standards:

:MEASURED IN FEET TO THE NEAREST TENTH.

:VALUES RANGE FROM 0.0 TO 9.9

:

:

:

:

:

Codes:

:ENTER ACTUAL VALUE

:

:

:

:

:

:

User Fields:

:

:

:

Data Set Name: SOIL RESOURCE:

RECORD : 251

Field Length:8:

Authority:FLPMA NCSS:

Data Element Name: SOIL WATER TABLE TYPE:

Source of Information: NCSS, NSH P.603-45:

Form:SCS-SOI-5:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:Y:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:A QUALITATIVE DESCRIPTIVE TERM FOR THE KIND OF SEASONAL WATER
:TABLE RECOGNIZED WITHIN THE SOIL.

Data Standards:

:SEVEN OR EIGHT CHARACTER ALPHABETIC CODE

Codes:

:APPARENT = APPARENT WATER TABLE

:PERCHED = PERCHED WATER TABLE

:ARTESIAN = ARTESIAN WATER TABLE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 253

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL-WATER STATES:

Source of Information: NCSS, SSM4P78,79,96:

Form:SITEFORM:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No. not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:A GENERAL TERM DESCRIBING THE MOISTURE

:CONDITIONS OF A SOIL LAYER WHEN THE PEDON WAS DESCRIBED.

:BASED ON AMOUNT OF TENSION THAT WATER IS HELD AT IN THE SOIL
:LAYER.

:RELATED TO DATA ELEMENT: SOIL-WATER STATES LAYER DEPTH HIGH
:SOIL-WATER STATES LAYER DEPTH LOW

Data Standards:

:ONE CHARACTER ALPHABETIC CODE

:CAN BE ESTIMATED IN THE FIELD OR DETERMINED BY LAB ANALYSIS.

:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT SOIL MEASUREMENT

:TYPE. FIELD OR LAB TO IDENTIFY TYPE.

Codes:

:D = DRY - AIR DRY (TENSION OF > 1,500 KPA)

:M = MOIST - FIELD CAPACITY (TENSION OF 1 - 1,500 KPA)

:W = WET - WET (TENSION OF < 1 KPA)

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 254

Field Length:1:

Authority:FLPMA NCSS:

Data Element Name: SOIL-WATER STATES ANNUAL PATTERN:

Source of Information: NCSS, SSM4P28,29,96:

Form:SITFORM:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:1:

1 - New Element

Data Element Number:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:

:

:

Element definition:

:A GENERAL TERM DESCRIBING THE MOISTURE

:CONDITION OF A SOIL LAYER THAT IS PRESENT FOR A MAJORITY OF THE

:MONTH.

:PROVIDES A CONTINUOUS RECORD OF THE MOISTURE CONDITIONS IN THE

:SOIL ON A MONTHLY BASIS THROUGHOUT THE YEAR AND IS REPORTED IN

:LAYERS.

:INCLUDES A SPECIAL DESIGNATION OF FROZEN WHICH IS WHEN THE SOIL

:MATERIAL IS AT A SOLID STATE AT A SOIL TEMPERATURE OF LESS THAN

:ZERO DEGREES CENTIGRADE.

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

Data Standards:

:ONE CHARACTER ALPHABETIC CODE

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

Codes:

:F = FROZEN MORE THAN HALF THE MONTH

:W = WET MORE THAN HALF OF THE MONTH

:M = MOIST MORE THAN HALF OF THE MONTH

:D = DRY MORE THAN HALF OF THE MONTH

:

:

:

:

:

User Fields:

:

:

:

Data Set Name: SOIL RESOURCE:

RECORD : 255

Field Length:3:

Authority:FLPMA NCSS:

Data Element Name: SOIL-WATER STATES LAYER DEPTH HIGH:

Source of Information: NCSS, SSM4P28,29,96:

Form:SITEFORM:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1:

1 - New Element

Data Element Number:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE MEASURED DISTANCE FROM THE SOIL SURFACE TO THE UPPER LEVEL
:OF THE SOIL LAYER WHERE THE SOIL-WATER STATE (DRY, MOIST, OR
:WET) IS DETERMINED.

:RELATED TO DATA ELEMENT: SOIL-WATER STATES

Data Standards:

:MEASURED IN INCHES OR CENTIMETERS TO THE NEAREST WHOLE UNIT.

:VALUES RANGE FROM 0 TO 200

:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT UNIT OF MEASURE

:TO IDENTIFY TYPE.

Codes:

:ENTER ACTUAL VALUE

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 256

Field Length:3:

Authority:FLPMA NCSS:

Data Element Name: SOIL-WATER STATES LAYER DEPTH LOW:

Source of Information: NCSS, SSM4P28,29,96:

Form:SITEFORM:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

0 - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

:

:

:

Element definition:

:THE MEASURED DISTANCE FROM THE SOIL SURFACE TO THE DEEPEST

:LEVEL OF THE SOIL LAYER WHERE THE SOIL-WATER STATE

:(DRY, MOIST, OR WET) IS DETERMINED.

:

:

:

:

:

:

:

:

:

:

:

:RELATED TO DATA ELEMENT: SOIL-WATER STATES

:

:

:

Data Standards:

:MEASURED IN INCHES OR CENTIMETERS TO THE NEAREST WHOLE UNIT.

:VALUES RANGE FROM 0 TO 200

:DATA ELEMENT CROSS-REFERENCED TO DATA ELEMENT UNIT OF MEASURE

:TO IDENTIFY TYPE.

:

:

:

Codes:

:ENTER ACTUAL VALUE

:

:

:

:

:

:

User Fields:

:

:

:

Data Set Name: SOIL RESOURCE:

RECORD : 257

Field Length:3:

Authority:FLPMA NCSS:

Data Element Name: SOIL-WATER STATES MONTH:

Source of Information: NCSS, SSM4P28,29,96:

Form:SITEFORM:

Frequency of Use:1D: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:0:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:1: 1 - New Element

Data Element Number: :

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE MONTH AT WHICH THE SOIL-WATER STATE

:(DRY, MOIST, OR WET) IS DETERMINED IN A SOIL OR IN A

:PARTICULAR SOIL LAYER.

:RELATED TO DATA ELEMENT: SOIL-WATER STATES ANNUAL PATTERN

Data Standards:

:THREE CHARACTER ALPHABETIC CODE FOR MONTH.

:MULTIPLE ENTRIES ALLOWED.

:EACH MONTH OF THE YEAR IS RELATED TO DATA ELEMENT SOIL-WATER

:STATES, ANNUAL PATTERN.

Codes:

:JAN = JANUARY

JUL = JULY

:FEB = FEBRUARY

AUG = AUGUST

:MAR = MARCH

SEP = SEPTEMBER

:APR = APRIL

OCT = OCTOBER

:MAY = MAY

NOV = NOVEMBER

:JUN = JUNE

DEC = DECEMBER

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 258

Field Length:8:

Authority:FLPMA NCSS:

Data Element Name: UNIT OF MEASURE:

Source of Information: NCSS, SSM:

Form:MANY:

Frequency of Use:2W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:N:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS870 Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :T:

New/RW/Accept:2: 1 - New Element

Data Element Number:5311:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

: STANDARDIZED ABBREVIATION OR CODE FOR LENGTH, WEIGHT, VOLUME, :
: TEMPERATURE, AND AREA IN ENGLISH AND METRIC MEASUREMENT UNITS AS :
: USED IN THE DATA COLLECTION AND REPORTING SYSTEM. :

Data Standards:

: ONE TO EIGHT CHARACTER ALPHANUMERIC CODE :
: THE TYPE OF MEASUREMENT MUST BE SPECIFIED FOR EACH VALUE GIVEN :
: FOR OTHER ELEMENTS. THESE MAY BE REPORTED AS DECIMALS OR :
: FRACTIONS OF THE UNIT AS SPECIFIED IN THE STANDARD FOR DATA :
: ELEMENT. :

Codes:

: IN = INCH

S/M = SIEMENS PER METER

: CM = CENTIMETER

MMHOS/CM = MILLIMHOS PER

: % = PERCENT

CENTIMETER

: PPM = PARTS PER MILLION

KPA = KILOPASCALS

: MEQ/100G = MILLIEQUIVALENTS PER 100 GRAMS

: F = FAHRENHEIT

COLE = COEFFICIENT OF LINEAR

: C = CENTIGRADE

EXTENSIBILITY

User Fields:

Data Set Name: SOIL RESOURCE:

RECORD : 259

Field Length:8:

Authority:FLPMA NCSS:

Data Element Name: UPDATE DATE:

Source of Information: NCSS:

Form:SEVERAL:

Frequency of Use:1W: 1D=daily 2W=2/wk 1W=1/wk 2M=2/mo 1M=1/mo L=less

Automated:D:

Graphics:N:

Security:PUB:

N - Not Automated

Y - Will be in GIS

PUB - Public, no restrictions

L - DPS6 Honeywell

N - Will not in GIS

IPR - Internal Proprietary

D - DPS87D Honeywell

U - Unknown

IN - Internal Investigatory

M - Micro Based Sys

IOT - Internal Other

P - Prime System

G - Data General

O - Other

Print this record? :I:

New/RW/Accept:3: 1 - New Element

Data Element Number:2306:

2 - Rewrite Previous

3 - Accept Previous

Standards:Y: Y - YES, ESTABLISHED

Data Category:C: C - CORPORATE

N - No, not developed

D - Discretionary

Descriptive Element Name:

Element definition:

:THE MONTH, DAY, AND YEAR THE INVENTORY

:DATA WAS COMPLETED, ANALYZED, OR OTHERWISE UPDATED.

Data Standards:

:EIGHT DIGIT NUMERIC DATE DESIGNATING MONTH, DAY, AND YEAR

:(I.E., MMDDYYYY)

:RANGES:

: MM 01 TO 12

: DD 01 TO 31

: YYYY 1776 TO 9999

Codes:

:ENTER ACTUAL DATE

User Fields:

**BLM Library
Denver Federal Center
Bldg 50, OC-521
P.O. Box 25047
Denver CO 80225**